Xavier University of Louisiana

2020-2021

University Catalog

Mission Statement

Xavier University of Louisiana, founded by Saint Katharine Drexel and the Sisters of the Blessed Sacrament, is Catholic and historically Black. The ultimate purpose of the University is to contribute to the promotion of a more just and humane society by preparing its students to assume roles of leadership and service in a global society. This preparation takes place in a diverse learning and teaching environment that incorporates all relevant educational means, including research and community service.

Xavier University of Louisiana
1 Drexel Drive
New Orleans, LA 70125
504-520-7411
http://www.xula.edu

2021.03.01

University Academic Calendar

Fall Semester-2020

Spring Semester-2021

Summer Session-2021

The University Academic Calendar is subject to change. The current version is always available on Xavier's web site.

Fall Semester-2020

New Faculty Orientation	August 10-11
Faculty and Staff Assembly	August 12
On-Site Registration	August 13-14
Classes Begin	August 17
Last Day to Add a Course or Change a Section	August 19
Last Day to Drop a Course Without a "W"	September 4
Labor Day Holiday	September 7
Last Day to Remove an "I"	September 25
Founder's Day Convocation	October 6
Mid-Semester Grades Due	October 9
Last Day to Drop a Course (Receive a "W")	October 30
Registration for Spring Semester and Summer	November 2-6
Comprehensive Examinations for Seniors	November 7
Last Day to Officially Withdraw from Xavier	November 13
Last Class Day Before Final Examinations	November 23
Quiet Day	November 24
Thanksgiving Holidays	November 25-27
Late Registration Begins	November 30
Final Examinations	December 2-9

Final Grades Due (Noon)	December 11

Spring Semester-2021[1]

Faculty and Staff Assembly	January 6
Registration	January 7-8
Classes Begin	January 11
Last Day to Add a Course or Change a Section	January 13
Martin Luther King, Jr. Holiday	January 18
Last Day to Drop a Course Without a "W"	January 29
Last Day to Remove "I"	February 19
Mardi Gras Holidays	February 15-17
Mid-Semester Grades Due	March 12
Senior Comprehensive Examinations	March 13
Last Day to Drop a Course (Receive a "W")	March 26
Easter Holidays (Spring Break)	March 29-April 2
Registration for Fall Semester	April 5-9
Last Day to Officially Withdraw from Xavier	April 15
Later Registration Begins	April 26
Last Class Day Before Final Examinations	April 26
Quiet Day/Senior Grades Due (Noon)	April 27
Final Examinations	April 28 - May 5
ALL Final Grades Due (Noon)	May 7
Baccalaureate	May 7
Commencement	May 8

Summer Session-2021

	Session One **Five Weeks**	**Session Two** **Five Weeks**	**Session Three** **Eight Weeks**
On-Site Registration	May 24	June 25	June 4
Classes Begin	May 25	June 28	June 7
Last Day to Add or Change a Course or Section	May 26	June 29	June 8
Independence Day Holiday		July 5	July 5
Last Day to Drop a Course	June 18	July 23	July 23
Final Examinations	June 25-26	July 30-31	July 30-31
Final Grades Due (Noon)	June 29	August 3	August 3

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[1] Each academic department has the discretion to designate January 30 as a Monday class period for classes that only meet once a week on a Monday.

Policies And Procedures

Non-Discrimination Policy

Xavier University of Louisiana admits students of any race, color, national and ethnic origin, gender, age, sexual orientation, disability, or religion to all rights, privileges, programs, and activities generally accorded or made available to students at the University. It does not discriminate on the basis of race, color, national and ethnic origin, gender, age, disability, sexual orientation, veteran's status, or religion in administration of its employment and educational policies, admissions policies, scholarship and loan programs, and other University-administered programs.

Catalog Requirements and Policies

The information in this catalog applies to the academic years 2020-2021. Xavier reserves the right to change without notice any of its rules and regulations, programs and courses, tuition and fees, and any other matters described in this catalog, and to make such changes applicable to students already registered as well as to new students.

Students generally follow the academic program current at the time of their admission into the University and may not follow those of earlier catalogs. Exceptions may apply where requirements are imposed by state agencies (e.g., in education) or professional/certification organizations.

A student who changes his or her major department must follow the academic program in effect at the time of this change. Students who withdraw from the University and who do not return within four semesters must follow the academic program current at the time of their re-entry.

Changes to university policies that are approved after printing of this catalog can be found at http://www.xula.edu/catalog/index.html

Family Educational Rights and Privacy (FERPA)

Each Xavier student is held responsible for awareness of and compliance with all scholastic rules and regulations, the degree requirements in his/her program of study, and the policies and procedures in the student handbook (http://www.xula.edu/student-handbook/index.html).

Release of Information/Privacy of Education Records

The Family Educational Rights and Privacy Act (FERPA) also known as the Buckley Amendment, is a set of federal regulations established in 1974 that makes four specific guarantees to college students regarding the privacy of their education records. They are:

- The right to inspect and review education records;
- The right to seek to amend education records;
- The right to have some control over the disclosure of information from those education records; and
- The right to file a complaint against any institution for the alleged violation of these FERPA rights.

These guarantees are made directly to currently and formerly enrolled students, regardless of their age or status in regard to parental dependency. Parents, guardians and others do not have a right to access student records of eligible students without their signed, written consent to do so.

Student and Parent Rights Relating to Educational Records

Students have a right to know about the purposes, content and location of information kept as part of their educational records. Students have a right to gain access to and challenge the content of their educational records. Students have a right to expect that information in their educational records will be kept confidential, disclosed only with their permission or under provisions of the law. Students have a right to permit or prevent disclosure of certain information in their educational records. Parents have the right to expect confidentiality of certain information about them in student records. Students can complete a FERPA waiver through Banner Web. This waiver allows the University to share student data with those individual(s) designated on the waiver.

General Information

Mission Statement

Xavier University of Louisiana, founded by Saint Katharine Drexel and the Sisters of the Blessed Sacrament, is Catholic and historically Black. The ultimate purpose of the University is to contribute to the promotion of a more just and humane society by preparing its students to assume roles of leadership and service in a global society. This preparation takes place in a diverse learning and teaching environment that incorporates all relevant educational means, including research and community service.

Goals

So that they will be able to assume roles of leadership and service, Xavier graduates will be:

- prepared for continual spiritual, moral, and intellectual development;
- liberally educated in the knowledge and skills required for leadership and service; and
- educated in a major field so that they are prepared to complete graduate or professional school and to succeed in a career and in life.

History

There are 102 historically Black colleges and 221 Catholic colleges in the United States, yet only one is both historically Black and Catholic. That distinction belongs to Xavier University of Louisiana, which strives to combine the best attributes of both its faith and its culture.

Located in New Orleans, this small liberal arts college dates back to 1915, when Saint Katharine Drexel and the Sisters of the Blessed Sacrament initially founded their coeducational secondary school. Ten years later, in 1925, Xavier University of Louisiana was established. Mother Katharine came to the city at the request of the local archbishop to provide African Americans - at the time denied admission to existing local and state as well as Catholic colleges - with opportunities for Catholic higher education.

Although the Sisters still maintain a presence on campus, Xavier is governed by an independent, lay/religious Board of Trustees on which the Sisters have representation.

Even with its special mission to serve the African American Catholic community, Xavier's doors have always been open to qualified students of any race or creed. Currently, 73.0 percent of Xavier's students are African American and 16.0 percent are Catholic.

Xavier currently enrolls approximately 3,325 students. Nearly half of these students (44.3 percent) are from Louisiana. The rest come from some 40 states, Washington, D.C., the U.S. Virgin Islands, and 13 foreign countries.

Xavier students are nurtured in the type of environment available only at a small college. A full-time faculty of 233 educators, both religious and lay, of diverse ethnic and racial origins - 95 percent of whom have terminal degrees - provides a comfortable student/faculty ratio of 14.7/1. Fifty faculty members serve as endowed chairs or professors, which provides additional financial support for their research and teaching.

XULA's core curriculum has been crafted to be a unique blend of the University's past with its present and future. It integrates the rich legacy and tradition of Xavier's identity as a historically Black and Catholic institution with its status as a premier institution for contemporary liberal arts education. Throughout the 40 credit hour core curriculum students are constantly challenged to think critically and innovatively about their world, regions, communities, and selves. Our students begin with early foundational

courses that inculcate communication, rhetoric, quantitative skill, and critical reasoning. They then progress to exploration courses that investigate the natural world, build connections with our human past, study human behavior, inquire about life's deep questions, discover their own creativity, dig deep into issues of faith and society, and learn more about the richness of African American heritage. The final stages of the core, the Engagement level and Senior Capstone promote intellectual development that empower students to engage holistically with complex issues. XCOR 3010 Engaging the Mission, considers the social justice implications of contemporary issues, while XCOR 3020 Engaging Global Issues, brings the world to the students, by bringing a global perspective to these big ideas and considerations. Furthermore, the Senior Capstone provides students with an opportunity to create signature offerings in chosen disciplines, which help showcase creativity and competence. Most importantly, throughout and within Xavier's core curriculum, content and coverage are guided intimately by the University mission such that students are developed to be life- long learners and global leaders that actively contribute to a more just and humane society for all.

More than half of Xavier's students currently major in the natural or health sciences, especially in biology, chemistry, and pharmacy. Other popular majors include business, psychology, mass communication, and political science. In addition, the University offers high quality programs in a wide range of other disciplines in the fine arts and humanities, in social and behavioral sciences, in education and counseling, and other science areas.

Xavier is recognized as a national leader in the field of science education. Data compiled by the Association of American Medical Colleges indicate that Xavier is first among the nation's colleges and universities in the number of African American graduates who go on to complete medical school. Xavier is also one of the nation's top four producers of African American Doctor of Pharmacy degree recipients.

Although Xavier is best known for its various science programs, there are also very strong programs in the non-science areas. Xavier's Division of Business is accredited by the Association of Collegiate Business Schools and Programs, its Education programs are accredited by the Council for the Accreditation of Educator Preparation, its Counseling program by the Council for Accreditation of Counseling and Related Educational Programs, its Music program is accredited by the National Association of Schools of Music, and its Chemistry program is approved by the American Chemical Society. In addition, through its Institute for Black Catholic Studies, Xavier offers the only Master of Theology graduate program in Black Catholic Theology in the United States.

Xavier's College of Arts and Sciences and College of Pharmacy offer preparation in varied fields on the undergraduate, graduate, and professional degree level. More than 33 percent of Xavier's students continue their education by attending graduate or professional school.

Tuition and room and board compare favorably with that of other private institutions. In addition, 91 percent of Xavier's undergraduates who applied for need-based financial aid qualified for it.

The 2019 edition of the *Fiske Guide to Colleges* ranks Xavier University of Louisiana highly for academics and affordability.

Xavier was also singled out as one of the nation's best institutions for undergraduate education by *The Princeton Review* in the 2019 edition of its annual "The Best 383 Colleges."

Zippia - a new website dedicated to helping recent grads with their career choices - ranked Xavier the best college in Louisiana for getting a job. The ranking was based on a study of job placement rates at year 10 after students graduated.

In a survey of students conducted for *The Wall Street Journal/Times Higher Education* College Rankings, based on students' opinions on how well their college or university is preparing them for their career, Xavier received the highest score of any school in the South - in fact, it received the highest score of any of the more than 1,000 schools that were included in the 2017 WSJ/THE rankings.

A *New York Times* OpEd piece, "America's Great Working Class Colleges", ranked Xavier No. 6 in the nation for social mobility and student transformation. Positions in the so-called "Upward Mobility 10" were determined comparing the percent of students from the bottom fifth of income distribution who ended up in the top three-fifths of income following their graduations.

Xavier is a member of the Gulf Coast Athletic Conference, which is affiliated with the National Association of Intercollegiate Athletics (NAIA). It offers five intercollegiate sports - basketball, cross country, tennis, track and field, and volleyball (women only). Baseball and softball are new additions to the roster for the 2020-2021 academic year.

Xavier alumni - some 21,000 strong - can be found in virtually every state and several countries. They teach and administer at schools on every level of education; they direct large corporations and small businesses; they hold leadership roles in national, state and local government; they command in the armed services, and they serve in the judicial system. Our graduates are actors, musicians, writers, engineers, counselors, social workers, and much more.

Location

Students who choose Xavier also get the culturally rich city of New Orleans, and it is easy to fall in love with the Crescent City.

One of the great cities of the world, New Orleans continues to be internationally revered for its food, its music, its festivals and its people. New Orleans' culture, like Xavier's, demonstrates unity in diversity. In New Orleans, African American traditions creatively combine with traditions as diverse as that of the Native American, Spanish, French, Irish and Italian to create a cultural "gumbo" unlike any other in the world.

The diversity is manifest in a variety of ways. In the shadow of a growing skyline of modern skyscrapers, streetcars run on the oldest trolley line in the U.S., and charming buildings of another era stand, with their wrought iron balconies and leafy courtyards - vivid reminders of the French, Spanish, and African influences on the city.

New Orleans continues to feel the impact of other countries, as the nation's second largest port and the gateway to South and Central America. Spanish, for example, replaced French long ago as the city's second language.

New Orleans is living history which is not lost in the tempo of today, either in its bustling port commerce, its oil industry concentration, its growing center of financial institutions or its expanding tourist and convention activity.

Life in New Orleans has rich vitality. It can be sensed from jazz played in the city of its birth and the varied styles of New Orleans musicians. New Orleans fosters the arts. Museums are becoming increasingly responsive to all people. Theaters thrive. There is lively interest in ballet. Full seasons of opera and symphony performances are also offered.

New Orleans has a vibrant sports and recreational scene as well. The Mercedes-Benz Superdome is home to the 2010 NFL Super Bowl Champion Saints, while the Smoothie King Arena is the home of New Orleans' NBA franchise Pelicans. The city also hosts a minor league baseball team. Audubon and City Parks and Lake Pontchartrain are counted among the city's recreational offerings. The National World War II Museum, Audubon Zoo, and the Aquarium of the Americas are among the best of their kind.

The higher education complex of New Orleans is comprised of twelve public and private colleges and universities, including schools of medicine, dentistry, pharmacy, nursing, and theological seminaries.

The new University Medical Center, a $1.2 billion medical complex, is the cornerstone of a biomedical district that delivers high quality health care, advanced research, and Level One trauma care. It also serves as the medical education center for excellence for healthcare professions in Louisiana.

Xavier's "campus" is, in reality, as large as New Orleans itself.

Students may cross-register for courses at several area universities. They serve internships at city hospitals, with businesses and in government offices; they student teach at area schools; they engage in work and cooperative education assignments; they perform with local musical and theatre groups; they involve themselves in community service projects.

Campus

Xavier is located near the heart of New Orleans. Situated near major thoroughfares, Xavier offers easy access to several city transit lines, placing the entire city at the doorstep of Xavier students.

The campus is a short distance from downtown with its commercial, entertainment and sports offerings. Many students can see the city skyline from their residence hall windows. Xavier is conveniently located for cross-registration at other universities and research experiences in the city's well-known hospitals and research centers. It lies adjacent to an inner city area, which serves as a learning and service site for the residential community of which it is a part.

The newer campus structures such as the Convocation Center, St. Katharine Drexel Chapel, and other recently constructed or renovated buildings, give the impression of a very modern campus. Yet other buildings - massive structures of Gothic design - give a feeling of permanence and history.

Two quadrangles - one formed by the distinctive limestone architecture of the original campus buildings and the other formed by more recent state-of-the-art construction - make up the heart of the main campus. It is here where students meet, communicate between classes, and develop lasting friendships.

All residential students live in modern residence halls, with pleasant living quarters and facilities for studying, entertaining, and TV viewing. Food service and recreational areas are located in the University Center.

Because Xavier is an inner city university, special care is given to providing security for its students, faculty, and staff. The campus is well-lit, and its buildings and parking areas are patrolled 24 hours a day by campus police.

The University has initiated several additional safety measures designed to alert the campus community and the proper campus authorities in the event of any emergencies that may occur, including communications service and "Code Blue" outdoor call boxes located around the campus that allow students to communicate an emergency directly to campus police and be seen via a video link.

Central offices in each residence hall are staffed 24 hours a day. Campus security personnel also provide information and seminars about crime prevention and other safety issues.

Library

As the center of intellectual life, the Xavier University Library provides access to materials that are the building blocks of knowledge and services that support the educational and research needs of the University.

The Library provides access to a constantly expanding collection of more than 500,000 electronic resources, including e-books, e-journals, streaming videos and more, accessible 24 hours a day, 365 days a year through the Library website. The collection also includes more than 100,000 physical materials. The Library offers opportunities for various types of knowledge creation, thanks to our Innovation Studio (MakerSpace), equipped with a laser cutter, 3D printers, CNC milling equipment and other tools for creating physical items, and our Data Visualization Lab, with tools to help turn data into understandable, digestible visual representations. The Library's growing Institutional Repository, XULA Digital Commons, offers a platform for Xaverites to preserve and provide access to their creative and scholarly works, all while keeping their intellectual property protected.

The Library is home to the Xavier University Archives and Special Collections which maintains and preserves a unique collection of manuscripts, university records, photographs, ephemera, and rare books with a focus on African-American, Louisiana, Gulf Coast-region and U.S. Roman Catholic history and culture, and the creative writing of the modern Deep South. The rapidly expanding Digital Archives contains 18,000 items across 24 collections that supports the teaching and research needs of the University.

The Library offers a wide range of information services, including chat and email assistance, as well as in-person research consultation in both one-on-one and classroom settings. The Library is committed to offering students and faculty forward-thinking and sustainable information- and resource-management tools.

Visit the University Library website at: https://xula.libguides.com/library.

Student Life

The University offers many services, resources, and programs that enhance student life experiences under the administrative umbrella of the Division of Student Affairs. Directed by the Vice President for Student Affairs, Student Affairs departments and programs provide students opportunities to learn and develop through out-of-class experiences. Co-curricular programs coordinated by the departments serve to complement the academic mission and enrich the overall educational experience of students through the interweaving of students' academic, interpersonal, and developmental experiences. Students engaging in these programs, activities and services explore opportunities for leadership, community service, social, diversity and inclusion experiences while having fun and acquiring skills in preparation to lead purposeful lives.

Student Handbook

The Xavier University Student Handbook provides general information that facilitates adjustment to college life. All students are required to become familiar and comply with the guidelines, policies, and regulations contained in the Student Handbook. The Handbook also outlines student rights and university standards for behavior. The XU Student Handbook is available online at: https://my.xula.edu/student-services/Pages/default.aspx.

Activities and Student Organizations

Greek Life - The National Pan-Hellenic Council (NPHC) is the advisory and governing body of Xavier University's eight (8) social Greek fraternities and sororities. The NPHC provides a forum to exchange ideas, coordinate matters of common interest, plan cooperative service and academic programs, and formulate membership intake rules, policies, and plans. Individual member organizations offer leadership, service, cultural and personal development opportunities. More information may be obtained from the NPHC Advisor whose office is in the University Center, Room 316.

Leadership Opportunities - Students prepare for leadership roles and responsibilities through the use of multiple tools, tips and programs. One primary source of leadership development is XU LEADS (Leadership Education and Development Skills). This program engages emergent and advanced leaders and introduces basic and advanced leadership skills through teaching effective and ethical leadership practice. Students discover their approach to working with others and leading their peers, while understanding their personal values and opportunities to further develop as leaders.

Service Opportunities - Mobilization At Xavier (M.A.X.) is the campus student umbrella organization that coordinates community service activities on and off campus. M.A.X. offers a variety of exciting and fun, but meaningful service opportunities to fit students' time, talents, and various interests as they become active in the community and promote social awareness and civic engagement.

Student Government - The Student Government Association (SGA) is the official representative of students in University policy-making and administration. This organization establishes an accountable self-government and provides the opportunity for each student to participate in the responsible, individual and collective action as a member of the campus community. Its purpose is to plan, promote, and make recommendations for the interests and welfare of the student body as well as the University. It is charged with providing a forum for the expression of ideas and concerns as well as enacting legislation which regulates and funds student organization programs, other activities and services and the general conduct of student life. The SGA website is located at: http://www.xula.edu/sga/.

Xavier Activities Board - The Xavier Activities Board (XAB) serves as the official planning body for major student activities. This student-run group provides diverse programming that appeals to the entire student body and aids in the development of the well-rounded student. Membership in XAB includes an Executive Board, Program Chairs, and representatives from the student body. XAB holds weekly meetings and all students are encouraged to attend and provide fresh ideas on educational, social, cultural and entertainment programs. XAB operates under the Center for Student Involvement.

Student Involvement

Athletics and Recreational Sports

As part of the overall development of its students, Xavier provides an outstanding athletics program. Xavier has intercollegiate varsity teams in basketball, cross country, tennis and track and field for men and basketball, cross country, tennis, track and field and volleyball for women. A co-ed program, competitive cheer, also is offered. Beginning in 2020-21, intercollegiate baseball (men) and softball (women) will be offered. Mascots are Gold Rush for the men's teams and Gold Nuggets for the women's teams.

The university also offers campus recreational sports programs in intramural or club sports, fitness and informal recreation. These programs vary in skill to attract and involve students, faculty and staff with differing interests and abilities. The balanced athletic and recreational sports program is an important educational experience and provides excellent training for students in all departments of the university.

Campus Ministry

Xavier University is a Roman Catholic institution. The Office of Campus Ministry (OCM) offers religious programs and activities for the entire University community and all religious affiliations. Opportunities are provided for students, faculty and staff to meet with the OCM staff to plan and prepare spiritual activities. These activities fall into several areas which include: spirituality, fellowship, community, and social justice outreach. Campus Ministry programs and staff members strive to foster spiritual development, provide religious education and continuing faith formation for the University Community. The Campus Ministry staff supports and fosters the development of emergent leaders shaped by religious and moral values for leadership and service of others. More information about Campus Ministry can be found on its website: http://www.xula.edu/campus-ministry/.

Center for Student Involvement

The Center for Student Involvement houses Leadership Development Programs, Campus Activities, Commuters Services, Greek Life Transition Programs, and Volunteer Programs. The Center for Student Involvement is designed to contribute to the University's Mission by implementing programs that promote, empower, and motivate students to become socially conscious and civically engaged in a complex global community through leadership training and service opportunities.

Leadership Development Programs prepare students for leadership roles and responsibilities through the use of multiple techniques. The XU LEADS (Leadership Education and Development Skills) program, comprised of emergent and advanced leaders, introduces basic leadership skills through teaching effective and ethical leadership practice. Students discover their approach to working with others and leading their peers, while understanding their personal values and growth process.

Campus Activities provides a host of programs and activities that encourage the personal development of students and enhances their educational experience. Social, cultural and entertainment programs as well as diverse and inclusive events are designed to increase involvement, foster discussion and ensure students are more engaged in campus life and their overall education. This unit also oversees guidelines and procedures for University-recognized student clubs and organizations and offers programs for student organization leaders and members to develop valuable leadership and life skills through activities such as retreats, conferences and workshops.

Transition Programs offer first year students an opportunity to become more acclimated into the Xavier community and experience through co-curricular programs. Transition programs are reserved for new first-time Xavierites and assist in exposing them to the academic, cultural, and social climate of Xavier University of Louisiana.

Volunteer Services is the centralized office to guide, support, and encourage community involvement. It advises the on-campus student organization Mobilization At Xavier, MAX, and is responsible for ensuring diverse community service experiences for all students through Days of Service and One-Time Service Opportunities. Through service our students become change agents within their communities contributing to its sustainability and rebuilding.

Services and Resources

Counseling and Wellness

All students may obtain individual, couples, and group counseling through the Counseling and Wellness Center. Counseling is free and confidential to the full extent allowed by law. Students are assisted by counselors in exploring feelings, attitudes, motivation, and coping skills, as well as many other areas of need.

The Counseling and Wellness Center Staff includes professionally-trained certified/licensed professional counselors, and a licensed clinical psychologist. Referral services are available when needed. Emphasis is placed on aiding students and on maintaining a confidential counseling relationship.

Xavier's Wellness Programs for students, staff and faculty are coordinated through this office. The Wellness Programs encourage students to be the best that they can be in every area of their lives - physically, mentally, emotionally, socially, and spiritually. Wellness programs include Annual Recovery Celebration (fall), Wellness Awareness Activities (fall), and a Behavioral Health Awareness day (spring). In conjunction with Student Health Services, the Counseling and Wellness Center provides a cessation program for smokers. Many wellness reading materials are available, which include information on various topics, including: substance abuse, sexual assault and dating violence, depression, nutrition, stress management, smoking, self-esteem issues, general mental health, conflict management and assertiveness training. The Counseling and Wellness Center also sponsors Wellness Peer Counselors, a student organization which helps other students, staff and faculty learn how to live a wellness lifestyle through programming and campus activities.

More information about the services of the Counseling and Wellness Center can be obtained on the website: http://www.xula.edu/counselingservices.

Disability Services

Academically qualified students who have disabilities are encouraged to attend Xavier University of Louisiana. Students requiring special assistance or consideration in order to meet program or degree requirements should apply for reasonable accommodations with the Office of Disability Services once they have been admitted to the university.

The Office of Disability Services provides a variety of services for students with a disability (temporary or permanent). The Office staff provides support and assistance to students with medical, physical, emotional, and/or learning disabilities. Among the services available are those related to accessibility of campus facilities, individual counseling, coordination of reasonable classroom accommodations, and referral to testing services, and governmental and community agencies.

Students with disabilities are encouraged to contact the Office of Disability Services immediately to make the necessary arrangements. Write to Xavier University Office of Disability Services; One Drexel Drive, Box 180; New Orleans, LA 70125; (504) 520-7607.

Health Services

The mission of Student Health Services is to provide the most efficient and effective medical care on behalf of Xavier students with the emphasis placed on mitigating illness. The goal of Student Health Services is to assist students in the development of good physical and mental health and provide educational information related to maintaining a healthy lifestyle.

The following immunizations are required for all students entering the University:

1. Measles, Mumps, Rubella (MMR): (2 doses) of live vaccine at least 28 days apart, 1ST MMR dose must be given on or after the first birthday. Not required if born prior to 1957.
2. Tetanus-diphtheria-Pertussis (TD, T-dap): One (1) dose of vaccine given within the past ten (10) years.
3. Meningococcal Meningitis vaccine (Quadrivalent vaccine A, C, Y, W-135): One (1) dose required at 16 years of age or older. Not required for those 55 yrs. or older.
4. Tuberculosis (Tb) Questionnaire.

The immunizations listed above are required for all new students, students who have been out a semester or more, and recent graduates of the university who are reapplying for graduate or undergraduate credit.

These immunizations, in addition to the Required Immunization Form, must be submitted to Student Health Services prior to registration. Forms are available in Student Health Services and at: https://www.xula.edu/student-health-services.

Health insurance is MANDATORY for ALL undergraduate students. It must provide coverage in the New Orleans area for both physician office visits as well as the emergency room. Students are billed for the student health insurance prior to registration. Students can waive the insurance if their private insurance meets University criteria. The waiver process can be completed online and is available on the Student Health website: https://www.xula.edu/shcinsurance. This information is also available in the new student packet. If additional information is needed, contact Student Health Services at 504-520-7396.

Student Health Services offers a caring environment with a range of healthcare services, including primary health care, acute care (non-life threatening), a women's clinic, allergy shots, and health and wellness education.

Services provided in Student Health are unlimited to all currently enrolled Xavier University students.

Violence Prevention Education and Advocacy

Services

Violence Prevention Education and Advocacy is a comprehensive resource for any student who has experienced sexual misconduct. The office helps connect students to campus and community resources related to their specific needs. The demands of college life are substantial and a traumatic event can be overwhelming, compounding current stress. Violence Prevention Education and Advocacy strives to alleviate some of the burden of navigating processes and resources. Violence Prevention Education and Advocacy wants to help restore a sense of normalcy in students' lives by offering a supportive presence and assistance to students who have been victimized. Some specific services provided include:

- Confidential disclosure for sexual assault, domestic violence, dating violence, non-consensual sexual contact, sexual exploitation, sexual harassment and stalking
- Direct crisis intervention
- Exploration of options
- Information and resources
- Referrals to on and off campus resources
- Ongoing follow-up and support as needed
- Personalized safety planning
- Education and consultation for students, faculty and staff

Contact Information

Jennifer Bodnar
Director of Violence Prevention Education and Advocacy
Phone: 504-520-7503

Office: 209 Administration Building
Website: https://www.xula.edu/violence-prevention-sexual-misconduct

Residential Education

Residence hall living allows students to meet and learn from a variety of interesting people and be in the heart of campus life. Resident students at Xavier are close to the library, university center, classes, dining halls, and all the facilities and programs designed to help students adjust and prosper at college. With over 1,400 students residing on campus and 200 Xavier students residing off campus at our satellite location, resident students will never be at a loss for people to meet and things to do.

Currently, Xavier offers four facilities for students interested in on campus residency and suite style apartment living off campus. All rooms on campus come furnished with beds, desks, dressers, and wardrobes. Also included are basic cable service, laundry facilities, Internet access through a direct link to the campus network and mini computer labs, Each hall also has a game lounge and study rooms throughout the hall. Our off campus facilities offers a fully furnished apartment, single rooms within the suite along with a kitchen and living room.

Housing at Xavier University is on a first come first serve basis. New students who would like to reside in housing will apply for campus housing after receiving notification of admission to the university. Returning students apply for housing through the annual re-application process each spring for the upcoming fall semester. All residents who wish to return to housing must re-apply and have cleared their fiscal accounts with the university. Students are eligible to participate in room and roommate selection during the spring semester for the summer and next academic year. Transfer students are assigned as spaces become available. All residents must complete a housing agreement and emergency evacuation plan for the academic year. The University reserves the right to use residence halls between semesters and during summer breaks. On-campus storage is not available. All inquiries regarding housing can be addressed to the Office of Residential Education at: reslife@xula.edu.

University Center

The University Center is the center of campus life at Xavier. The University Center serves students, faculty, staff, alumni and guests offering a variety of programs, activities, services, and facilities to complement the academic experience. An extensive array of cultural, educational, social and recreational programs provides students, in particular, the opportunity to balance course work and free time as cooperative factors in education. The University Center functions as the gathering place of the university community as it provides services and conveniences in offices for Student Government and student organizations, Student Services Vice President and departments, e-conference rooms, campus card center, campus mail service, campus dining hall and other outlets, a game room, a café, and a large study area that converts to a showcase lounge and much more.

University Police

Xavier's Office of University Police is responsible for maintaining a safe and secure campus environment. Students must understand that personal safety and security begin with the individual. The University Police Office is open 24 hours per day and serves as the information center to visitors entering the campus. Officers patrol the campus on a regular schedule by foot, bicycle, and vehicles. Officers also serve as crime prevention practitioners by re-enforcing safety and security information to Xavier's students, faculty, and staff. The Office of University Police offers several crime prevention and safety awareness programs throughout the year. Members of the Xavier University Police department are trained officers who hold a Special Officers commission by the New Orleans Police Department and many have attained an additional certification, P.O.S.T. (Peace Officers Standards Training), commissioned by the State of Louisiana, Office of State Police.

Campus Emergency Alert Systems

An Emergency messaging system is offered to the campus community to receive notification of weather alerts and other emergencies via text, email and voice mail upon registration of wireless device and email address. Students in on-campus housing must register for this service. The University utilizes this messaging system to deliver other time-sensitive notifications to students, faculty, and staff. The service enables the university to schedule, send, and track messages via four different forms of communication:

- Personalized voice messages to landline phones, cell phones, and e-mail addresses;
- Text messages to cell phones, PDAs, networked digital signage, and other text-based devices;
- Text messages to e-mail accounts; and
- Messages to TTY/TDD receiving devices for the hearing impaired.

In addition to the Code Blue Emergency System, which uses call towers located in various parts of the campus to connect students directly with XUPD dispatch, the University also offers XULA Safe as an added safety option. XULA Safe is a mobile app which allows students to instantly receive important and emergency notification. Students are able to have a mobile blue light silent alarm at their fingertips and can chat with XUPD in real-time regardless of their location.

Admission

Requirements and Procedure

Xavier University of Louisiana uses a holistic assessment of a student's completed application when making admissions decisions. All submitted information is considered by the admissions committee before a decision is made.

Deadlines: Applications and supporting documents must be submitted by the following dates:

	Fall	Spring
Freshmen*	March 1	November 1
Undergraduate Transfers	June 1	November 1
Pharmacy**	March 1	None
Graduate Programs***	(see note below)	December 1

* Applications for admission received after the deadline will be considered on a space available basis. All applications are submitted online. We accept the Xavier application and the Common Application. For additional information, please visit the admissions website at: apply.xula.edu. Transfers may only use the Xavier application for admission.
**The College of Pharmacy acceptances are made for the fall term only. The College of Pharmacy utilizes a centralized application system under PharmCAS (www.pharmcas.org). PharmCAS allows an applicant to upload an application, grade information, references, a statement of interest, PCAT scores, and TOEFL scores (where applicable). For evaluation, the applicant sends directly to PharmCAS official transcripts from all U.S. schools attended and foreign transcript evaluations. After a PharmCAS application is complete, the College of Pharmacy will invite qualified applicants to submit a supplemental application and other materials for admission consideration to the Xavier University College of Pharmacy.
*** See College of Arts and Sciences Graduate Programs sections for information about admission deadlines for the summer.

Freshman Applicants

The following are needed for freshman applicants:

1. **An application for admission**. The University expects that answers to all questions on the application be accurate and truthful. Any falsification of information in the application may result in denial of admission or University disciplinary action. No application fee is required.
2. **A transcript of credits from a regionally- and/or state-accredited high school** indicating that the applicant has, or will complete, a minimum of sixteen academic units of secondary school work in college preparatory subjects, which include:

English	4 units
Mathematics	2 units (including Algebra)
Science	1 unit

Social Science	1 unit
Languages or Other Academic Electives	8 units

Students interested in majoring in any of the mathematics-related fields (accounting, computer science, mathematics, mathematics education, or any of the natural sciences) ideally should have four years of college preparatory mathematics courses, including two years of algebra, one of geometry, and at least one semester of trigonometry. It is recommended that natural science majors, in addition to the above-mentioned mathematics courses, should also take biology, chemistry and physics in high school.

In special instances where one or more of the required documents are unfavorable or the high school is unaccredited, the applicant may be admitted on a restricted schedule at the discretion of the Office of Admissions.

Veterans and other applicants who have not completed a regular high school program but who have taken the General Education Development test and obtained satisfactory grades or who have completed a Home School curriculum or earned a high school diploma from a school that has not received accreditation from a state or a regional accrediting association may be admitted by presenting official General Educational Development (GED) examination scores, HiSET® exam scores, or a high school equivalency certificate in lieu of a complete high school transcript. This certificate may be obtained through the official state agency.

3. **Scores from the College Board (SAT) or the American College Testing Program (ACT)**. Scores from tests taken between April of the junior year and January of the senior year are preferred.
4. **Recommendation from high school counselor.**

Admissions Policy

Applicants to Xavier University of Louisiana may receive one of two types of admission: regular and conditional. Students will receive **conditional admission** if their application is accepted by the Office of Admissions and their ACT/SAT scores indicate that they are required to enroll in two or three developmental courses.

1. **Students who receive conditional admission and are required to complete three developmental courses will receive regular admission and be allowed to enroll at Xavier** <u>after having completed at least one of the following:</u>
    - Enroll and pass at least <u>two</u> of the required developmental courses prior to regular enrollment, OR
    - Send in new ACT or SAT scores to the Admissions Office that indicate scores in the regular admission range, or a requirement of at most one developmental course, OR
    - Take the designated placement test and receive placement scores that indicate scores in the regular admission range, or a requirement of at most one developmental course.
2. **Students who receive conditional admission and are required to complete two developmental courses will receive regular admission and be allowed to enroll at Xavier** <u>after having completed at least one of the following</u>**:**
    - Enroll and pass at least <u>one</u> of the required developmental courses prior to regular enrollment, OR
    - Send in new ACT or SAT scores to the Admissions Office that indicate scores in the regular admission range, or a requirement of at most one developmental course, OR
    - Take the designated placement test and receive placement scores that indicate scores in the regular admission range, or a requirement of at most one developmental course.
3. **Students who receive regular admission and are required to complete one developmental course** <u>SHOULD</u> **do one of the following:**
    - Enroll and pass this course prior to the fall semester, OR
    - Send in new ACT or SAT scores to the Admissions Office that indicate scores in the regular admission range, OR

- Take the designated placement test and receive a placement score that does not require developmental coursework.

Developmental Courses

Students who score in a certain range on the ACT or SAT are required to enroll in a developmental course at Xavier. These developmental courses are:

- ENGL 0990, Preparatory English,
- MATH 0990D, Preparation for College Mathematics,
- RDNG 0992i, Intensive Reading and Study Skills, and
- RDNG 0992, Reading and Study Skills.

Developmental or intensive course placement ranges can be found on the Xavier Admissions webpage at: https://www.xula.edu/credit-information.

Transfer Applicants

A student transferring from an accredited institution (U.S. Department of Education recognized Institutional Accreditor) must present an official copy of his/her transcript from each college-level institution attended. Secondary school records and standardized test results (ACT or SAT) may be required if the applicant has fewer than 24 semester hours of transferable credit. A recommendation from an appropriate university official (e.g., Registrar, Academic Dean, the Dean of Students, etc.) at each institution attended as a full-time student may also be required. The transfer applicant should be in good standing with the institution or eligible to return to it. A resume' or statement of activities may be required to account for extended periods of non-enrollment. Additional requirements may apply for admission to the College of Pharmacy (See the College of Pharmacy section for more information).

The University grants transfer credits only for courses in which the student has received a grade of "C" (2.00/4.00) or better and which are comparable to Xavier courses. Ordinarily the grades of transfer courses are not computed in the Xavier GPA. Not more than one-half of the credits required for the degree may be transferred from a community and/or junior college.

The University will confer a degree only after the applicant has fulfilled the requirement of at least 25% of course credit in residence. Eighteen hours of the 25% must be in the major with a grade of "C" (2.00/4.00) or better in each course and nine hours must be in the minor. At most 50% of transfer credit can be fulfilled from community college credits.

Transfer Students with an Associate Degree

Transfer students with an associate degree from a community college or who have achieved junior standing at a four-year institution will generally be required to take six hours of coursework (one three-hour course in African American and Diaspora Studies and one three-hour course in Theology) to complete core curriculum requirements towards a Xavier degree. However, the requirement for one or both courses will be waived if the transcripts show that a student has taken at least three hours of coursework in that area.

Applicants to Graduate Programs

Applicants to graduate programs should see the College of Arts and Sciences Graduate Programs section for more information.

Special and Non-Degree Seeking Students

Students may apply as non-degree seeking candidates at Xavier University and, if admitted, are eligible for enrollment on a semester by semester basis in the undergraduate program in the College of Arts and Sciences. Applications must be submitted and approved through the Office of Admissions.

Visiting (Transient) Students who are degree-seeking students at another institution may apply for enrollment at Xavier.

Special Non-Degree Seeking Students are those students taking courses for enrichment or other special purposes. Students in this category must be high school graduates and provide evidence that they are eligible to take college-level courses at Xavier. Students in this category may accumulate a maximum of eighteen semester hours.

Concurrent Enrollment Program: The Xavier University Concurrent Enrollment Program allows a limited number of high school students with high-level academic ability to earn up to 12 semester hours of college credit while enrolled in high school.

Admission of Visiting and Special Non-Degree Seeking Students: The Office of Admissions will review the application, and if approved for admission, the applicant will receive official approval for enrollment. These students do not qualify for Xavier administered federal financial aid. Visiting students may inquire at their home institution for information on financial aid. Students may seek other sources of external financial aid.

After Admission

Upon notification of acceptance to the University, an applicant will be required to submit a deposit which will indicate intent to attend the University. This deposit is deducted from tuition, fees, books, etc. and is in addition to any room deposit required of residence hall students. All enrollment checklist information may be found at confirm.xula.edu.

Health Clearance is required. This requirement and all necessary forms can be found at: https://www.xula.edu/student-health-services.

Prior to enrollment, accepted freshmen must submit a final high school transcript that certifies graduation from high school. Transfer students must submit transcripts of work that was in progress at the time of admission.

International Applicants

In order to be considered for admission to the University, applicants should submit the following items prior to the appropriate deadline:

1. OFFICIAL school records/transcript;
2. Letter of Recommendation from a secondary school official;
3. Original certificate of national examination taken by the student;
4. Notarized Affidavit of Support indicating who will pay the cost of attendance;
5. Non-English speaking natives are required to submit official TOEFL (Test of English as a Foreign Language) scores.

APPLICATION DEADLINES ARE MARCH 1 FOR THE SUMMER OR FALL TERMS AND SEPTEMBER 1 FOR THE SPRING TERM.

The I-20 form for immigration purposes will not be issued until ALL of the above-listed conditions have been satisfied. Students have found it beneficial in expediting passport procedures to have these requirements satisfied **six to twelve** months prior to their intended date of departure. If an applicant has had previous college work outside the United States, the applicant must have his/her records evaluated by a private agency. The recommended agency is listed below with its address.

Educational Credentials Evaluators
P.O. Box 514070
Milwaukee, WI 53203-3470
(414) 289-3400

An applicant must contact this agency and request an application form.

U.S. federal financial aid is not available to international students attending Xavier University of Louisiana. However, international students should review the list of financial aid/private scholarship opportunities on the university website to determine eligibility. International students should also investigate funding resources from organizations outside of the university in such categories as:

1. Academic/Professional Organizations,
2. Advocacy Associations,
3. Corporations or Corporate-Sponsored Foundations,
4. Employer/Parent's Employers,
5. Foreign Governments,
6. Foundations,
7. Loans, and
8. Non-Profit Organizations

International students in need of financial assistance should begin the university selection process at least one year in advance to allow sufficient time to research and identify possible sources of funding, sit for required examinations, and complete the admission and financial aid applications before the stated deadlines.

Veterans

Xavier University is approved for the training of Veterans, War Orphans, and Children of Veterans under those provisions of law currently enforced. Returning veterans should obtain from their local Veterans Administration Office a Certificate of Eligibility to be presented to the Registrar for completion.

Veterans and others eligible for benefits under this legislation must comply with and meet all standards as set forth in this catalog and in particular those regarding:

a. Probation and Dismissal,
b. Attendance,
c. Conduct, and
d. Withdrawal.

No veteran will be considered to have made satisfactory progress when he/she fails or withdraws from all subjects undertaken when enrolled in two or more subjects.

A veteran transferring from another institution will not be certified to the V.A. unless he/she has been counseled by the V.A., if he/she was suspended for unsatisfactory progress or conduct. A veteran student suspended from this institution will not be certified to the V.A. until counseled by the V.A. professional counselor.

A veteran who takes a course that does not count toward the chosen objective (normally a degree) is not considered to be making progress. A veteran cannot repeat a course he or she has passed unless his/her program requires a higher grade (e.g., a grade of "C" or better).

Readmission

A student who desires readmission to the University after an interruption of attendance for any reason must apply for readmission following the procedure outlined at: https://www.xula.edu/readmission.

Course Placement

The Office of Admissions at Xavier University has the initial responsibility for placement of students entering the University. SAT/ACT, high school GPA in selected courses, and placement tests in English, mathematics, reading, and languages are the main tools in this placement. Results of these tests are used to place students into regular, honors, or developmental freshmen courses.

All entering freshmen whose ACT or SAT scores indicate that further testing is warranted should take placement tests in the recommended areas. Also, transfer students with fewer than 60 semester hours, or whose academic program at Xavier still requires course work in mathematics or English, may be required to take placement tests. Students who do not take the tests in the recommended areas will be required to complete developmental courses in those areas. The Xavier Student Academic Success Office coordinates placement testing.

Failure of a placement test in any area invalidates transfer credit in that area.

Credit by Examination

Advanced Placement (AP) and International Baccalaureate (IB) Credit

Students with AP scores of 3 or higher can generally receive college credit for the appropriate course at Xavier. College credit is also awarded for students who participated in IB programs and made the scores required by Xavier. Some medical and dental schools do not accept credit for AP and IB. Therefore, students should consult with their academic advisor regarding these courses. In order to receive credit, students should have official AP or IB scores sent to the Admissions Office.

An appropriate math score on the ACT or SAT allows a student to by-pass pre-calculus (MATH 1030) and enter calculus (MATH 1070). Upon receiving a grade of "C" or better in MATH 1070 taken at Xavier University of Louisiana, the student will receive 4 semester hours of credit for MATH 1030.

For information regarding by-pass credit in a world language other than English, refer to the University's Language Placement and Credit Policy found on the University's website at: https://www.xula.edu/credit-information.

College Level Examination Program (CLEP)

Credit may also be awarded in certain subject areas on the basis of the College Level Examination Program (CLEP) Subject Examinations. However, credit will not be awarded on the basis of CLEP General Examinations. For information regarding which CLEP subject exams are honored by the University, the minimum passing scores, and their equivalent courses, visit: https://www.xula.edu/clep. A maximum of thirty semester hours of credit by examination will be accepted toward the degree.

Financial Information

Students should be prepared to pay tuition, fees and other charges at the time of registration. A Student Loan Installment Payment Plan is available for those students who wish to pay in installments.

The Student Loan Installment Payment Plan permits payments of accounts as follows:

Fall Semester - At the time of registration, a 50% down payment is due after a student's estimated Financial Aid is applied. Of the remaining balance, 50% is due on or before September 30th and the remaining balance plus any additional charges is due on or before October 30th.

Spring Semester - At the time of registration, a 50% down payment is due after a student's estimated Financial Aid is applied. Of the remaining balance, 50% is due on or before February 28th and the remaining balance plus any additional charges is due on or before March 30th.

NOTE: Work-study awards are not used as a credit to determine minimum payment when registering. Students are responsible for their account balance even if Financial Aid does not post.

The University accepts cash, personal, cashier's and official bank checks, money orders by mail or in person. Be advised that personal checks are electronically deducted from the checking account within 24 hours. Debit, Visa, Mastercard, American Express, Discover Cards and Personal Checks are accepted using our secure online payment system. For instructions on how to process an Online Credit Card Payment, place the following URL in the search box: http://www.xula.edu/fiscal/documents/OnlineCreditCardPayemtnsInstruction.pdf.

A finance charge of 0.75% (annual percentage rate of 9%) shall be charged each month on the unpaid balance. In the event of non-payment of any one or more installments, all unpaid installments become due and payable, without demand or notice. The University reserves the right to terminate the enrollment of any student who fails to make timely payments of any installment. Reinstatement upon payment of a delinquent balance shall be at the discretion of the University, provided that academic restrictions regarding absence have not been exceeded.

Full-term charges are made in the case of students who enter after the semester has begun. No student is entitled to receive a grade, degree, statement of honorable dismissal, or transcript of record, while any account balance is unpaid.

No refunds are made for Thanksgiving, Christmas, or Easter vacations, or for holidays.

A late fee penalty of 4.5% of the unpaid balance is assessed on December 15th for the Fall semester and May 15th for the Spring semester.

NOTE 1: If a student drops classes after the official add/drop period, there will be no changes to his/her tuition and fees. For example, if a student drops from full-time to part-time after the final add/drop period, the student will be charged as a full-time student. If the student drops to zero hours, he/she must withdraw from the University. Please refer to the withdrawal policy for details on withdrawal calculations.

NOTE 2: Students residing in campus housing must be cleared to attend classes before checking into the Residence Hall.

Tuition and Fees

	Academic Year
College of Arts and Science	
Full-Time (12-18 hours) (per semester)	$11,533

Identification card (per semester)	10
Student activity fee (per semester) FT/PT	125/65
Information technology fee (per semester) FT/PT (P3-P4)	400/200
New Student Orientation Fee (fall only)	150
New Student Orientation Fee (spring only)	75
Yearbook (fall semester only)	25
Student health insurance (annual rate - subject to change)	1,575
New Student health Insurance (spring only-subject to change)	862
Arts and Science (each lab)	70
Student Teaching Fee	200
Music Fee - 1 semester hour	75
Music Fee - 2 semester hours	150
Mass Communications	10
Part-Time (per semester hour less than 12 hours)	961
Overload (per semester hour over 18 hours)	672

College of Pharmacy

Full-Time (12-18 hours) (per semester)	$17,752
Part-Time (less than 12 hours)-per semester hour	1,583
Overload (Over 18 hours)-per semester hour **(P1-P3)**	1,087
Student Health Insurance (Annual Rate - Subject to change)	1,575
New Student Health Insurance (Spring only - Subject to change)	862
Preceptors (per semester hour)	680
P-4 Clerkship fee (per semester)	650
Information Technology Fee (each semester)-Full Time	400

Information Technology Fee (each semester)-Part Time	200
Pharmacy Assessment Fee (**All Pharmacy Students**) (per semester)	145
Student activity fee (per semester)-Full Time	125
Student activity fee (per semester)-Part Time	65
Lab Fees-Pharmacy (each lab) (if applicable)	70
Yearbook (Fall semester only)	25
Identification card (per semester)	10
Physician Assistant Program	
Tuition per semester (Fall)	12,000
Tuition per semester (Spring, Summer)	12,300
Student Health Insurance (annual rate - subject to change)	1,575
Enrollment Deposit Fee (applied to tuition and is non-refundable)	1000
Physician Assistant Assessment Fee (Fall)	50
Physician Assistant Assessment Fee (Spring, Summer)	500
Technology Fee (Fall, Spring & Summer)	433
Physician Assistant Lab Fee (semester 1-3)	158
Student Activity (Fall, Spring, & Summer)	125
Physician Assistant Program Technology Fee (Fall)	50
Yearbook (Fall semester only)	25
Identification card (per semester)	10

Graduate Programs

Doctor of Education (Ed.D.) Tuition and Fees	
Tuition per semester (fall, spring, summer)	$6,821
Part Time Fee 1-3 hours (per semester hour)	840
Library fee per semester (fall, spring, summer)	200

Acceptance fee (payable once)	250
Student Activity fee (per semester)	65
Identification card per semester (fall, spring, summer)	10
Yearbook (fall semester only)	25
Application Fee (payable once)	30
Technology Fees - (fall, spring, summer)	
1-8 hours (fall, spring, summer)	216
+9 hours (fall, spring, summer)	433

Masters of Public Health Tuition

Masters of Public Health New Student (per semester)	8,273
Masters of Public Health - Carryover (fall only)	8,233
Part Time Fee (per hour) (1-8 hours)	919
Library fee per semester (fall, spring, summer)	200
Application Fee (per semester)	30
Acceptance Fee (payable once)	250
Student Activity fee (per semester)	65
Yearbook (fall semester only)	25
Identification card (per semester)	10
Technology Fees - (fall, spring)	
1-8 hours (fall, spring)	216
+9 hours (fall, spring)	433

Masters of Speech Pathology

Speech Pathology Tuition 9-12 hours (fall & spring)	10,250
Tuition 1-8 Hours (per hour)	1,150
Identification card (per semester)	10
Student Activity Fee (per semester)	65

Yearbook (fall semester only)	25
Technology Fee 9-12 hours	433
Technology Fee 1-8 hours	216
Clinical Practicum Fee (per course)	125
Speech Pathology Program (8-12 hours) - Summer ONLY Full Time	6,600
Speech Pathology Program (1-7 hours) - Summer Only Part Time (per semester hour)	865
Tuition All Other Graduate Programs	
Graduate School fall & spring (per hour)	464
Student Activity fee (per semester) Full-Time	125
Student Activity fee (per semester) Part-Time	65
Identification card (per semester) (fall & spring)	10
Application fee (payable once)	30
Yearbook (fall semester only)	25
Technology Fees - (fall, spring, & summer)	
1-8 hours (fall, spring)	216
+9 hours (fall, spring)	433

Room and Board Charges

Living and Learning Center	
Resident Room - Single Student	$11,620
Resident Room - Two Students	10,034
Resident Room with Living Room - Two Students	10,497
Large Resident Room - Single Student	12,578
Large Resident Room with Living Room - Single Student	13,057

	Resident Suite - Four Students	10,268
	Resident Suite - Two Students	12,342
	St. Martin dePorres	
	Resident Room - Two Students	10,266
	Resident Room - Single Student	12,817
	St. Michael:	
	Resident Room - Two Students	9,458
	Resident Room - Single Student	11,499
	Large Resident Room - Single Student	12,219
	St. Katharine Drexel:	
	Resident Room - Single Student	11,979
	Resident Room - Two Students	9,458
	Mandatory Housing Fees	
	Housing Fee (each semester)	75
	Laundry (each semester)	40
Graduation Fees		
	College of Arts & Science, Masters of Public Health, & Graduate School	$119
	Pharmacy, Physician Assistant & Doctor of Education	146
	In Absentia fee (additional)	33
Other Fees		

Student Teaching fee (per semester)	$200
Late Registration (payable in cash at registration)	100
Subject Change (per form)	10
Transcripts (each)	5
NSF Check Service Charge (each time returned)	30
Concurrent Enrollment Fee	250

Installment Payment Plan

Interest - .75% per month on the unpaid balance

Late penalty - 3.0% of the unpaid balance at the end of each semester (assessed on December 15th for the fall semester and May 15th for the spring semester)

Campus Accommodations

Room reservation fee/security deposit (all continuing students)	$200
Room reservation fee (for incoming Freshmen and Transfers) Non-Refundable	100
(Credit to account after final withdrawal from dorm)	
Meal Plan Rate - Commuter Students (per semester)	2,251

Summer Tuition

College of Arts and Sciences (per hour)	$286

College of Pharmacy (per hour)		672
Doctor of Education (per semester) Full-Time +9 hours		6821
Doctor of Education Part-Time Fee 1-3 hours (per semester)		820
Doctor of Education Technology Fee +9 hours		433
Doctor of Education Technology Fee 1-8 hours		216
Doctor of Education Library Fee (per semester)		200
Masters of Public Health (per credit hour)		681
Technology Fee (Masters of Public Health/Graduate School)		
	1-8 Hours	216
	+9 Hours	433
Physician Assistant Program (per semester)		12300
Physician Assistant Technology Fee		433
Physician Assistant Lab Fee (Semester 1-3)		158
Physician Assistant Assessment Fee		50
Physician Assistant Program Technology Fee		50
Physician Assistant Identification Card (Each Semester)		10

Speech Pathology Tuition (8-12 Hours)	6600
Speech Pathology Tuition (1-7 hours) (Per Semester Hour)	865
Speech Pathology Technology Fee (+9 Hours)	433
Speech Pathology Technology Fee (1-8 Hours)	216
Speech Pathology Clinical Practicum Fee (Per Course)	125
Speech Pathology Identification Card (Each Semester)	10
Graduate School (per hour)	295
Institute for Black Catholics Studies (per hour)***	295
ID Cards	10
Student Activity Fee (all students) (per semester)	20
Labs (per semester)	69
Technology Fee (College of Arts and Sciences/College of Pharmacy)	56

Summer Sessions I, II, & III - 2020 Room & Board Charges

St. Michael/St. Joseph/Katharine Drexel (per week)	$269
Living Learning Center (per week)	290

St. Martin dePorres Residence (per week)	290

Mandatory Room & Board Fees

Housing Reservation fee (non-refundable)	$55
Laundry fee (per semester)	15

***** Additional Charges - See IBCS website**

Refund Policy

Refunds are available to students who have withdrawn officially from the University. The withdrawal date shall be determined by the appropriate University Official in the Fiscal Office.

Refunds of Tuition and Fees

Two refund methods are used: the Xavier University Institutional Policy and the Federal Government Refund Policy.

If Student Withdraws:	**X.U. Policy**
Before classes begin	100%
Within week 1	75%
Within week 2	50%
Within week 3	50%
Within week 4	50%
After week 4	0%

For those students who have registered at the University with the assistance of Federal Financial Aid, the following policy applies:

Tuition and some fees are credited to the students' accounts based on the percentage of the enrollment period completed (up to 60%). The percentage to be credited is determined by dividing the number of days remaining in the enrollment period by the number of days in the enrollment period.

Room and Board Charges

No refund is given for dormitory rooms. Board charges are refunded on a pro-rata daily basis of 17 weeks per semester.

Cancellation of Housing

All current residents (including graduating seniors) who will not return to campus housing next term must officially cancel housing by the deadline indicated below to be eligible to receive a housing deposit refund. The housing deposit refund policy will be enforced as follows:

Deadline	**Amount of fees* refunded or payable upon cancellation**
On or before April 1 (fall); Nov. 1 (spring)	$200 deposit refunded
April 1 - May 31 (fall)	$100 deposit refunded
June 1 - July 31(fall)	$0 refunded; 100% forfeiture
August 1 - First day of class (fall), December 20 - First day of class (spring)	100% deposit forfeiture *plus* $250 late cancellation penalty fee assessed if enrolled
Upon Check-In to the Residence Hall	100% deposit and room cost forfeiture *plus* prorated board costs

***The $100 reservation paid as a new or transfer student is non-refundable. The refund schedule posted above only refers to the $200 additional deposit paid by upperclassmen.**

Allocating a Portion of the Refund to Student Aid Programs

In the case of those students who have registered at the University with the assistance of Federal financial aid, government regulations determine what portion of the calculated refund must be returned to the Title IV Financial Aid Programs. Government regulations also specify the order in which monies will be refunded to the aid programs and the student. The University must distribute the refund in the following order:

1. Unsubsidized Stafford Loans
2. Subsidized Stafford Loans
3. Unsubsidized Direct Loans
4. Subsidized Direct Loans
5. Federal Perkins Loans
6. Federal PLUS Loans
7. Direct PLUS Loans
8. Federal PELL Grants
9. Federal Supplemental Educational Opportunity Grant (FSEOG)
10. Other Title IV Programs

Examples of the refund policy and calculations are readily available to students upon request in the Office of Student Accounts located in Xavier South, Room 300.

Any changes to this policy will be distributed to all students and made available to the public in the Admissions Office, the Office of the Registrar, and the Office of Student Accounts.

Financial Aid

Introduction

Xavier has traditionally offered the opportunity of a college education to academically qualified students, regardless of the financial resources of the student or the student's family. Although Xavier feels that the student and family have the responsibility to contribute to the cost of a college education, the University is prepared to provide financial assistance. In fact, over 75% of the students attending Xavier receive some type of financial assistance.

Sources of Financial Aid

Money for a student's financial aid package comes primarily from four sources - the federal government, the state government, Xavier University, and private programs. The federal government supplies the majority of financial aid.

Federal grant programs include: the Federal Pell Grant, the Federal Supplemental Opportunity Grants (FSEOG), and the Teach Grant.

Loans include: the Federal Perkins Loans, Federal Direct Subsidized Loans, Federal Direct Unsubsidized Loans, the Federal Direct Graduate PLUS Loan, and the Federal Direct PLUS Loans.

The Federal College Work-Study Program provides work aid.

How to Apply for Financial Aid

All students must apply for financial aid by completing the Free Application for Federal Student Aid Form to determine their eligibility for aid (including all loans). Financial aid applications may be obtained online at http://www.fafsa.ed.gov. Electronic applications must be completed by the student and his/her parents.

Note: Student and Parent must create an FSA ID at https://fsaid.ed.gov/npas/index.htm to electronically sign their FAFSA application.

When to Apply

All students must file for financial aid as soon as possible after October 1 of each year. Beginning with the 2019-2020 FAFSA students will be required to report income and tax information from an **earlier** tax year. Students must use the **IRS Data Retrieval Tool (DRT) to obtain the prior year's tax information**. **Follow all instructions carefully when completing the form**. The student will receive an e-mail notification as a result of filing their Financial Aid Application.

How Eligibility for Financial Aid is Determined

In order to determine eligibility for Federal Financial Aid students must complete the Free Application For Federal Student Aid using the information provided by the parents and students on the FAFSA. Once a student files the FAFSA using Xavier University's school code **(002032)**, the Financial Aid Office will receive the student's records electronically. The Financial aid application (FAFSA) will be evaluated, and, if valid (no discrepancies), an award offer will be emailed to the student. The electronic award offer will list all financial aid that the student was determined eligible to receive. If the records are invalid (discrepancies) or rejected, the student and/or parents must provide the requested required documents before an award offer may be prepared.

The Award offer must be accepted or denied electronically. All financial aid is awarded on the availability of funds. In addition, students must meet Standards for Satisfactory Academic Progress.

If the student is a first time Loan borrower, the student must sign a master promissory note and complete the entrance counseling.

If a student **stops** attending classes, the **amount** of financial aid awarded must be recalculated based on the **last date of attendance**. Unused aid must be returned to the Federal Government.

Family Educational Right and Privacy Act (FERPA)

Any student that would like to share their financial information with another individual must complete the FERPA form online. The form enables the office to release or discuss your student financial aid and scholarship information **only to individuals you request**. The form is available on Banner Web.

Satisfactory Academic Progress Policy for Financial Aid Eligibility

Introduction

The Higher Education Act of 1965 as amended and final regulations set by the United States Department of Education (34CFR668.16) require that institutions of higher education establish reasonable standards of Satisfactory Academic Progress as a condition of continuing eligibility for federal aid programs. Financial aid recipients are expected to make reasonable progress as a condition of receiving and continuing to receive student financial aid. Student progress is assessed according to both qualitative and quantitative measures. The qualitative measure (Grade Point Average-GPA) is very similar to the Academic Progress standard applied to all XU students. The quantitative measure, referred to as the student's "Pace" (number of credit hours successfully completed and the maximum timeframe) is used to monitor progress toward degree completion. When these measures are applied, federal regulations require that the student's entire academic history is considered. This includes semesters or terms during which the student did not receive student financial aid. The University has developed this policy to provide a framework for monitoring and determining a student's Satisfactory Academic Progress in accordance with Federal and Institutional requirements. This policy applies to all new, transfer, re-entry, readmitted with transfer work (for purpose of financial aid), and continuing students at Xavier University.

Quantitative Standards

Students are expected to complete the requirements for a degree within a reasonable time frame. Undergraduates pursuing a degree are allowed to attempt up to 150% of the published length of their academic program. For example, a first time undergraduate student must complete the requirements within 192 attempted hours (or higher for academic programs in excess of 128 hours). This includes both Xavier University attempted hours and hours transferred from other institutions that apply toward the student's degree, in accordance with the institution's transfer policy.

Undergraduate students must make incremental progress toward their degree based on the number of hours attempted; therefore, a minimum percentage of XU hours attempted must be completed at each interval. Students must also complete the degree requirements (based on their degree attempt or second degree attempt at the same level) and the associated maximum timeframe limit outlined in the SAP Policy. To meet this standard, students must complete the required hours attempted. See the Satisfactory Academic Progress (Pace) Chart for details.

Qualitative Standards

Title IV recipients use a scale that culminates in the graduation requirement in order to maintain satisfactory academic progress. The following chart is used to determine if Qualitative Standards are being maintained for continued financial aid eligibility.

Guidelines

Full-time (12+ hours per semester) students will be allowed six academic years in which to complete a degree. Part-time students will be considered on a pro rata basis equivalent to requirements of full-time students. The number of hours in which a student is enrolled on the first day following the **end of the add/drop period** will be the official number of hours used to determine full-time or part-time status. Full-time students who drop below 12 semester hours following this date will still be considered full-time students for financial aid eligibility. Satisfactory Academic Progress for financial aid eligibility requires that the student's ratio of completed (earned) semester credit hours versus the student's enrolled (attempted) semester credit hours at the end of the drop/add period adhere to the following guidelines:

Satisfactory Academic Progress Chart (PACE)

College of Arts & Sciences (Undergraduates and P1 Students)

Hours Attempted	**PACE (Percent of earned hours needed)**	**Minimum Grade Point Average Required**
0-45	50%	1.8
46-70	55%	2.0
71-95	60%	2.0
96-119	65%	2.0
120 and above	70%	2.0

College of Pharmacy (P1 (graduate), P2, P3, P4)

Hours Attempted	**PACE (Percent of earned hours needed)**	**Minimum Grade Point Average Required**
9 hours and above	75%	2.0

Graduate School

Hours Attempted	**PACE (Percent of earned hours needed)**	**Minimum Grade Point Average Required**
3 - 42 hours and above	75%	3.0

Hours attempted and hours completed in summer school will be included in the calculation of eligibility.

Course withdrawals, remedial courses and incomplete courses are counted in the hours attempted towards the **quantitative (PACE)** measure of the satisfactory academic progress policy.

Course withdrawals and incompletes are not counted in the student's grade point average and **are not** counted in the **qualitative (GPA)** measure of the satisfactory academic progress policy.

Transfer credits earned prior to the student's enrollment at Xavier University will be used for quantitative (PACE) measure purposes to determine the minimum required earned hours.

Transfer Students

Transfer students must enroll at Xavier with at least a 2.0 GPA to qualify for Federal Financial Aid. A transfer student is one who has not attended Xavier prior to transferring into the University. Students admitted on academic probation for the first time may qualify for their eligible Federal Student Aid on Financial Aid Warning for the term which they are admitted to Xavier if it can be documented that they will be able to meet the GPA requirements in one semester. This documentation will come from the student's Transfer Counselor in Admissions. If the student will not be able to meet the GPA requirements in one semester, then he/she must submit an appeal to the Office of Student Academic Success to have their eligibility considered for reinstatement.

For those students who may qualify for the Financial Aid Warning period, upon the next payment period, the student must meet all SAP eligibility components or the student will lose his/her eligibility for financial aid. **Students who do not meet the Xavier Federal completion ratio requirement or have met the total attempted hours' limitation must submit a SAP Appeal Form to have their eligibility considered for reinstatement.**

Financial Aid Probation

Students who fail to meet one or more of the qualitative or quantitative standards at the evaluation period and are subsequently approved through the Appeals process may continue to receive financial aid on a probationary basis. At the end of one payment period on "Probation," the student must meet the minimum SAP standards on their own in order to continue to receive financial aid or meet the requirements of his/her Academic Plan to qualify for further funds. While a student is on "Probation," the student may be required to fulfill specific terms and conditions under the "Academic Plan" developed through the Office of Student Academic Success, such as taking a reduced course load, enrolling in specific courses, attending counseling sessions recommended by the SAP Appeal Committee or meeting a specified GPA and earned/attempted hour ratio at the end of each term. If a student placed on an Academic Plan fails to meet the plan's requirements at the end of each term on probation, the student will lose his/her eligibility for financial aid and will be required to submit a Financial Aid Appeal for reinstatement consideration for the next enrolled semester/term.

Grades

Grades of A, B, C, D or P are considered satisfactory. All other grades such as F, FE, W, W$ or I are considered unsatisfactory.

Appeals Process

Students whose financial aid eligibility has been suspended based upon the provisions outlined in this policy have the right to submit an appeal to explain and document their mitigating circumstances. Mitigating circumstances are defined as a change in grades or major, serious illness or injury, death of a family member or similar traumatic event. All appeals must be accompanied by supporting documentation (grade or major change forms, doctor's statement(s), death certificate, etc.) in order to regain eligibility. An appeal will be denied if sufficient documentation is not submitted with the appeal. The appeal may not be based on the student's *need* for the funds nor the *lack of knowledge* that eligibility of financial aid was in jeopardy. Appeals must explain

why the student failed to make satisfactory progress and what has changed in his/her situation that will allow the student to meet the requirements at the next evaluation. The appeal must be submitted in writing within six weeks of notification of ineligibility. **Students who appeal must use the published Satisfactory Academic Progress (SAP) Appeal Form.** Appeals are approved for current or subsequent semesters only; appeals cannot be for prior semesters. **Students are limited to a maximum of two (2) financial aid appeals per degree attempt.** Direct questions regarding the appeals process should be directed to the SAP Appeal Committee via email at awoods@xula.edu. The SAP Appeal Committee will review the appeal within two weeks of the deadline for filing all appeals provided all the necessary documents have been submitted; the Student will be notified of the committee's decision by email within 10 business days of the date their appeal is documented and reviewed by the committee.

The Committee will not review Appeal Forms that are incomplete and/or lacking the required verification. **The completed SAP Appeal should be sent to:**

Xavier University of Louisiana
Director, Academic Programs and Advising
P. O. Box 164
One Drexel Drive
New Orleans, LA 70125

Filing an appeal does not guarantee Financial Aid or Academic reinstatement.

If the appeal is denied, the student may continue at his/her expense in order to regain his/her eligibility. Students will automatically be reinstated once they have completed an academic year with Satisfactory Academic Progress.

Types of Financial Aid Available

Scholarships

Xavier University of Louisiana seeks to recognize outstanding academic achievement through the scholarship awards process. When making scholarship awards, the University uses a holistic assessment of a student's completed admissions application. While all submitted information is considered during our scholarship review process, strongest consideration is given to the student's academic record. Primary consideration is given to those students who have submitted a completed application by January 31. Students who submit a completed application after January 31 will be considered for scholarships on a funds-available basis. Students who have met the January 31 deadline will be notified no later than the end of February if they have received a scholarship. Acceptance of a scholarship offer must occur by the deadline date indicated in the scholarship awards packet. Complete information is provided on Xavier's website at: http://www.xula.edu/admissions/scholarships.

Included below is a list of available scholarship programs for first year freshmen. These awards vary in amounts and are renewable for eight consecutive semesters and contingent on the student's full-time enrollment and maintaining the University's required cumulative grade-point average.

1. Board of Trustees Scholarship: Recipients of the Board of Trustees Scholarship will receive full tuition, fees and room & board.
2. Presidential Scholarship: Recipients of the Presidential Scholarship will receive full tuition and fees.
3. Saint Katharine Drexel Scholarship: Valedictorians or Salutatorians from any U.S. Catholic high school are eligible to receive this scholarship and fees. The award covers eight consecutive semesters.
4. Norman C. Francis Scholarship: Valedictorians or Salutatorians from public high schools in Orleans and Jefferson Parishes are eligible to receive this scholarship and fees. The award covers eight consecutive semesters.
5. Xavier University Academic Scholarships: These tuition scholarships are awarded to first-time freshmen based on strong academic achievement and high school counselor recommendations.

All scholarship packages that cover full tuition will be adjusted for any Arts and Sciences tuition increases. All Scholarship recipients must maintain a minimum 3.3 cumulative GPA and be in good institutional standing. Students with a GPA between 3.2 and 3.29 will be granted a probationary semester after which they can be fully reinstated if their cumulative GPA is 3.3 or higher.

Students with a GPA between 3.0 and 3.29 will be granted a scholarship amount equal to 75% of their initial scholarship award. Additionally, students can attend University summer sessions at their own expense in an effort to raise the GPA to the required minimum. Scholarship recipients must earn at least 30 credit hours by the end of their 1st yr, 60 credit hours by the end of their 2nd yr, and 60 credit hours by the end of their 3rd yr. Transferable college credit and summer registration credit can be used to meet the annual 30 credit requirement. The above scholarships will be awarded for eight (8) consecutive semesters of full time enrollment provided the student maintains the continuing eligibility requirements which will be assessed at the end of each academic year.

Scholarships and Grants Awarded to Continuing Students

The criteria for these awards depend on the type of scholarship as described below.

- **Departmental/Divisional Scholarships:** Academic department and divisions provide scholarships based on criteria unique to each unit.
- **Donor / Annual Scholarships:** These scholarships are awarded to students based on the criteria provided by each individual donor and is contingent upon availability of funds.

All scholarship recipients will be required to complete an annual FAFSA and satisfy annual service requirements for the University and/or community. Scholarship amounts may be subject to adjustment based upon receipt of Federal and state grant aid. Academic scholarship and aid combined cannot exceed direct cost to the institution. Direct cost includes tuition, room and board, and mandatory university fees. In the rare event that scholarship recipients from any of the above categories would need remedial courses as incoming freshmen, they would have to complete the necessary developmental courses prior to enrolling in the fall semester.

Academic scholarships are coordinated through the Office of Admissions and the Office of Student Financial Aid & Scholarships. As a member of the United Negro College Fund, Xavier University receives various scholarship opportunities throughout the academic year. These competitive scholarship opportunities are available to all students enrolled at Xavier who meet the specific eligibility criteria determined by the donor Enrolled students should contact this office for information regarding various scholarship opportunities.

Tuition Opportunity Programs for Students (TOPS)

TOPS is a comprehensive program of state scholarships for Louisiana high school graduates. A TOPS award is available through LOSFA (Louisiana Office of Student Financial Assistance) to all bonafide residents of Louisiana who meet the criteria. As a first-time freshman, eligibility is traditionally determined through high school transcripts, Student ACT Scores, and completion of the Free Application for Federal Student Aid (FAFSA). High school graduates who earn a 2.5 GPA on the TOPS Core Curriculum, a composite score of 20 on the ACT, are Louisiana Residents, graduated from an accredited High School, and meet the college prep curriculum outlined by the State of Louisiana will qualify for this program. TOPS award eligibility (initial and renewal) and award amounts are determined by LOSFA through the Board of Regents and the State of Louisiana.

The award must be renewed every year. The following requirements must be met at the conclusion of every spring semester if a student has eligibility remaining:

- *If a student receives the TOPS Opportunity Award, he/she must earn at least a 2.3 cumulative GPA at the end of the first academic year or a 2.5 cumulative GPA at the end of all other academic years. The student must successfully complete no less than 24 credit hours during an academic year. (Summer and Intersession courses are counted towards the 24 hour rule.)*
- *If a student receives the TOPS Performance or the TOPS Honors Award, he/she must earn at least a 3.0 cumulative GPA. The student must successfully complete no less than 24 credit hours during an academic year. (Summer and Intersession courses are counted towards the 24 hour rule.)*

Rousseve Scholarships

Named in honor of the Rousseve family, outstanding alumni and supporters of Xavier University, the Rousseve Scholars Program offers high achieving students from all disciplines in the University an opportunity to receive a full tuition scholarship and a $250 book allowance for an academic year. The top ten students in the sophomore, junior and senior classes are selected annually on the basis of the previous two semesters' GPA and, if necessary to break ties, the cumulative GPA (for sophomores the high school GPA is used). Eligibility guidelines require that students take the appropriate number of semester hours for advancement to the next classification level and have no grades of F's, U's, or W's (only W's after the first two weeks of classes are considered) during the academic year. Transfer students are not eligible.

Athletic Scholarships (Full or Partial Tuition)

Athletic scholarships are awarded on the basis of athletic talent in men's or women's sports.

Other Scholarships

Because Xavier's scholarship resources are limited, students are encouraged to seek external scholarship funding. The University often receives announcements from third-party organizations about scholarships that are offered through these organizations. It is the policy of the University to offer students support and assistance in applying for scholarships from credible sources. A list of external scholarship sources can be found at: https://www.xula.edu/scholarships.

ROTC (Air Force, Army, and Navy) Scholarships

A variety of ROTC scholarships are offered to Xavier students along with university incentives and supplements. These scholarships are offered through the respective service departments which are located on the Tulane University campus. These scholarships provide tuition assistance, a textbook allowance, and a monthly subsistence allowance. More information can be obtained from the service departments located at Tulane University. The Tulane information number is (504) 865-5000.

Grants (These do not have to be repaid.)

Federal Pell Grant. Federal Pell Grants usually are awarded to undergraduate students who have not earned a bachelor's or a professional degree. Students may receive the Pell Grant for 12 semesters.

Federal Supplemental Educational Opportunity Grant (FSEOG) - FSEOGs are awarded to undergraduate students with exceptional financial need.

Teacher Education Assistance for College and Higher Education (TEACH) Grant - A TEACH Grant can help you pay for college if you plan to become a teacher in a high-need field in a low-income area.

Yellow Ribbon Program - Xavier University of Louisiana is proud to be a Yellow Ribbon Program school! The Yellow Ribbon Program is a provision of the law that created the Post- 9/11 GI Bill. The program allows approved institutions of higher learning and the VA to partially or fully fund tuition and fee expenses that exceed the established thresholds under the Post-9/11 GI Bill. To apply, please click this link or visit the Office of the Registrar.

Loans (These must be repaid.)

William D. Ford Federal Direct Loans (i.e., Federal Direct Subsidized, Federal Direct Unsubsidized). - The William D. Ford Federal Direct Loan Program is the largest federal student loan program. Under this program, the U.S. Department of Education is your lender. Four Types of Direct Loans are available:

Direct Subsidized Loans are loans made to eligible undergraduate students who demonstrate financial need.

Direct Unsubsidized Loans are loans made to eligible undergraduate, graduate, and professional degree students. Students are not required to demonstrate financial need to be eligible for these loans.

Direct PLUS/Graduate PLUS Loans are loans made to parents of dependent undergraduate students and graduate or professional students to help pay for education expenses not covered by other financial aid.

Work Study

Federal Work-Study provides part-time jobs for undergraduate and graduate students with financial need, allowing them to earn money to help pay educational expenses.

Academic Information

-- All Students --

Catalog Restrictions	Grading Standards	Transfer of Credits for Current Students
Academic Advising	Registration	Summer School
Overloads and Load Restrictions	Attendance	Academic Grievance Procedures
Final Examinations	Withdrawal (or Drop) from Courses	Withdrawal from the University
Graduation	Request for Transcripts	Student Discipline
	Academic Integrity and Academic Misconduct Policy	

-- Undergraduate Students --

Classification of Students	Current Students: Core Curriculum Requirements	Transfer Students: Core Curriculum Requirements
Academic Standing	Academic Probation	Academic Dismissal
Academic Forgiveness	Readmission	Online/Hybrid Courses Policy

-- Graduate Students --

Academic Information	Academic Standards	Academic Probation and Dismissal

Outlined below are general policies and guidelines followed by Xavier University of Louisiana. Undergraduate students in the College of Arts and Sciences should refer to the College of Arts and Sciences section of the catalog for information specific to their matriculation requirements. Graduate students in the College of Arts and Sciences are encouraged to refer to the College of Arts and Sciences Graduate Programs section of this catalog for additional information and requirements specific to their program. Students in the College of Pharmacy are encouraged to refer to the College of Pharmacy section of this catalog for additional information and requirements specific to their program.

Catalog Restrictions

Students generally follow the academic program current at the time of their admission into the University and may not follow those of earlier catalogs. Exceptions may apply where requirements are imposed by state agencies (e.g., in education) or professional/certification organizations. A student who changes his or her major must follow the academic program in effect at the time of this change. Students who withdraw from the University and who do not return within four semesters must follow the academic program current at the time of their re-entry.

Grading Standards

A student's academic progress is measured quantitatively in terms of semester hours and qualitatively in terms of quality points.

Xavier University of Louisiana normally grants one semester hour of credit for the learning outcomes expected for satisfactory completion of coursework based on at least three hours of course effort per week, typically as one of the following:

1. One hour (50 minutes) of classroom or direct faculty instruction and a minimum of two hours of out of class work each week for approximately 15 weeks in a semester;
2. At least two (one hour and 50 minutes) hours of laboratory work and a minimum of one hour of out of class work each week for approximately 15 weeks in a semester; or
3. At least one hour and thirty minutes of studio work and a minimum of 90 minutes of out of class work each week.

Quality points are computed according to the grade the student receives. The scale of grades and points is as follows:

Grade		Quality Points per Semester Hour
A	Excellent	4
B	Good	3
C	Average	2
D	Passing	1
F	Failure	0
FE	Fail (excessive absence)	0
I	Incomplete	0
P	Pass	0
PC	Pass with Credit	0
W	Withdrawal	0

AU - Audit

A student wishing to audit a course must obtain permission from his or her advisor. Students are required to pay the same tuition for auditing a course as those who register for credit. A student who audits a course is not obliged to turn in assignments nor take examinations. Regular attendance is required for a grade of AU.

A student may not change his status from audit to credit, or from credit to audit, without the written permission of his or her advisor. Such approval will not be granted after the third class day of the academic term.

FE - Failure due to Excessive Absences

In all 1000-level courses and all developmental courses, absence is considered excessive when a student misses more than:

- twice the number of times the class meets per week (Fall or Spring semester).
- four absences in Summer Session I or II (3- or 4-hour credit-hour courses).

- six absences in Summer Session III developmental courses.

The total number of absences includes days missed because of late registration or late enrollment in the course.

Xavier classes begin on the first day of the semester. If a student must change courses or sections of courses at the beginning of the semester, he/she: 1) is counted as absent until the professor is given documentation of completed registration and enrollment, and 2) is responsible for securing the syllabus and for becoming aware of the content covered in the missed classes. Absences experienced due to late registration into a course are included in determining the FE grade.

I - Incomplete

In order to grant an "I" grade, the instructor must have written approval from the college dean. The instructor prepares a written agreement (with a timeline for completion) regarding the expectations of the student. A temporary grade of "I" (incomplete), unless changed before the end of the sixth week of the semester following the one in which it was incurred, becomes an "F". Unless a prior waiver is granted, a student who receives an "I" at the end of the spring semester should complete the work before the end of the first summer school session.

W - Withdrawal

See the "Withdrawal (or Drop) from Courses" and "Withdrawal from the University" sections of this catalog.

Change of Grade

If a student believes that his/her grade is in error, he/she should contact the professor to discuss the concern. If the professor determines the grade is in error, the professor fills out a change of grade form, procures the signature of the dean and brings the form to the Registrar's Office.

Ordinarily grade changes are completed within the first four weeks of the following semester. No grade will be changed after the last day of class in the fall or spring semester following the one in which the grade was given. If the instructor-of-record does not change the grade, the student can bring the concern to the department head, then to the division chair, and then to the Dean's Office for further review. The final decision rests with the Dean's Office.

GPA - Grade Point Average

At the end of each semester a semester GPA is calculated by dividing the total number of quality points earned in that semester by the total number of semester hours taken for credit.

The student's cumulative average is computed by dividing the total number of quality points earned by the total number of semester hours graded. Only courses taken at Xavier University or through the Dillard/Loyola/Notre Dame Seminary/Tulane/Xavier partnership are used in computing the average. A grade of "C minus" from a partnership school is recorded as a "D" at Xavier; a "D minus" is recorded as an "F", etc.

A cumulative average of 2.0, computed as defined above, is required for good academic standing and for the granting of a degree. For specific information for repeated courses, please see the Repeat Delete and Course Retake policies. In the College of Arts and Sciences, in order for a student to repeat a course more than once, there must be written permission of the student's departmental advisor or department head and the head of the department in which the course is offered.

For all other purposes (e.g., in determining eligibility for holding office or graduating with honors), a student's average is computed by dividing the total points earned by the total semester hours graded on the college level at Xavier, exclusive of authorized withdrawals.

Grade Reports

Grades are reported to students twice each semester. The student obtains mid-semester and final grade reports online using his/her secure access. At the end of the semester, an official grade report is sent to the student's Xavier email address.

Transfer of Credits for Current Students

Current students who wish to attend another school to obtain transfer credits (including summer school and those in fall or spring exchange or intercultural programs under the auspices of another institution) must follow the guidelines and procedures below. Credit will be given for courses taken by these students at another institution only when a student has obtained written approval prior to taking the course and when the earned grade is "C" or better (2.00/4.00).

Students must have a 2.0 average, have completed all required developmental courses as well as 6 hours of English composition or ENGL 1023H with a grade of "C" or better and attain sophomore standing before permission will be granted to enroll in another institution for transfer credit. Students may take only freshman-level or sophomore-level courses at a junior or community college. A student may not transfer more than 9 semester hours during any one academic year, that is, during a fall, spring, and summer.

A transfer student must have earned at least 29 hours of credit at Xavier before permission will be granted to take courses elsewhere.

Students are responsible for assuring that an official transcript of any credits earned elsewhere is sent to the Registrar at Xavier. Such transcripts must be received during the semester following that in which the credits were earned.

Approval for transfer of credits to Xavier from some other educational institution must be received **prior** to the student's enrollment at that institution. Otherwise, the credits will not be accepted at Xavier.

Students must complete a Request to Pursue Courses at Another Institution Form which can be obtained from the Registrar's Office. Approval is required for **specific courses**. The student must have the form signed by his/her advisor and the head of the department of the major in which he/she is enrolled, as well as the head of the department of the discipline that he/she will be studying, The form must be accompanied by suitable documentation - a college catalog or printout from a website giving a description of the course(s) and college schedule showing that the course(s) will be taught during the summer or semester that the student is attending the other institution. Upon completion, the form must be returned to the Registrar's Office. If a student enrolls in courses other than those specifically approved, the credits will not be accepted at Xavier.

If for some reason the course for which the student obtained permission is cancelled, the student is required to contact his/her advisor or department head to obtain permission for a change. The approved change must be documented by copies of email.

When approval is granted, credit is transferred from another accredited educational institution to Xavier upon receipt of an official transcript from the other institution indicating a grade of "C" or above (2.00/4.00). A grade of "C minus" or below does not transfer.

Academic Advising

Proper course selections and conformity to catalog requirements are ultimately the responsibility of the student. Xavier requires every student to have an academic advisor, a faculty member from his/her major department assigned by the department head. The student is responsible for consulting the advisor prior to each registration.

Registration

Times for registration are listed on the University's Academic Calendar. Registration is not complete until a student is fiscally cleared and the fees for the semester have been settled to the satisfaction of the Office of Fiscal Services. Until such settlement has been made, the student is not entitled to attendance in any class or to any individual instruction.

Students are responsible for the selection of their courses in meeting degree and certification requirements. Although there are many opportunities to obtain guidance from academic advisors and from department heads, **students must assume the final and complete responsibility for the selection of courses and for proper registration.**

After a student has registered, he/she is expected to attend all classes in accordance with the program recorded on the official registration form. Once the drop/add period has passed, changes in schedule must be approved by the student's department head or advisor. Once approval is received, courses must be dropped on or before the last day to withdraw from a course as indicated on the Academic Calendar. No change in class section or course is valid or official unless it is recorded with the Registrar. A fee will be charged for this service.

Courses dropped without following the above procedure will be assigned a grade of F or FE.

In order to register later than the last date assigned for registration on the University Calendar, a student must receive permission from the appropriate Dean and pay the late registration fee.

The University expects that answers to all questions on the registration records be accurate and truthful. Any failure in this regard will be addressed and appropriate action taken.

Xavier University ID

Every student should obtain an identification card upon completion of his/her registration. For information about Xavier Identification Cards, please see the general Student Life section of this Catalog.

Summer School

Admission to summer sessions is governed by the same general requirements as for admission during the regular academic year. Transfer students who will be attending Xavier for the first time during a summer session should apply for admission by May 1. These students will be classified as transient students and must present a letter of good standing from the dean or other appropriate official of the institution where they are pursuing a degree. Freshmen students accepted for the fall semester may also attend the summer session.

The following academic policies are in effect during the summer session:

1. The University reserves the right to cancel any summer course for which there are fewer than ten students registered.
2. Undergraduate students are classified as full-time students in a summer session if they enroll for six semester hours.
3. Xavier students must follow the course credit restrictions elaborated in the following section.
4. Students who register after the registration period will be required to pay a late registration fee of $100. Students will not be allowed to register after the second day of classes.
5. Students who wish to drop a course must complete an official add/drop form which can be found at the Registrar's Office. Approval for dropping a course must be obtained in writing from the student's advisor or chairperson, as well as the instructor of the class. This completed form must be turned in to the Registrar's Office, prior to the posted deadline.
6. The grade of I (Incomplete) is usually not given in any undergraduate course offered during the summer session.

Overloads and Load Restrictions

Ordinarily, students are not permitted to enroll in more than 18 semester hours (including courses taken at another institution) of course work per semester. Exceptions are made rarely and within the following guidelines: Department heads may allow Junior

or Senior students to take up to 21 semester hours for specific reasons which are documented in writing in the student's departmental file. In order to receive approval, the student must have a minimum GPA of 3.0. If a student has a GPA of at least 2.5 and approval of the department head, an appeal may be made to the dean. In all cases, 21 semester hours (including hours taken online or at another institution) is the maximum for each semester. Students are required to pay additional tuition for each hour of overload (see Tuition, Fees and Expenses).

Ordinarily, students are restricted to 7 hours in each summer session. A division chair may approve up to 9 hours for a summer session if a student has a GPA of 3.0 or higher. A student may not earn a total of more than 18 hours in the summer including courses taken at another institution. The maximum number of hours that may be transferred to Xavier University over the course of an academic year is 9 hours.

Students whose hours are restricted may not exceed the stated limit without permission of the college dean. Failure to comply with this regulation may result in the forfeiture of all excessive semester hours. A student on any type of probation whose schedule exceeds the number of hours to which he/she has been restricted must withdraw from the excessive hours or his/her schedule will be changed by the Office of the Registrar. The student will receive no credit for the hours he/she registered for in excess of the number permitted.

The University will confer a degree only after the applicant has fulfilled the requirement of at least 25% of course credit in residence. Eighteen hours of the 25% must be in the major with a grade of "C" or better in each course and nine hours must be in the minor. At most 50% of transfer credit can be fulfilled from community college credits.

Attendance

Class attendance is regarded as an obligation as well as a privilege, and all students are expected to attend regularly and punctually all classes in which they are enrolled. Students absent for any reason whatsoever are expected to do the full work of the course, and they are responsible to the instructor for work missed through late registration, illness, or any other cause. It is the responsibility of the student to make arrangements with the instructor in instances where there has been a legitimate and extraordinary reason for the absence that can be documented.

When a student misses five (5) consecutive classes, it must be reported by the instructor to the Student Academic Support Office in the College of Arts and Sciences or the Student Affairs Office in the College of Pharmacy. Students absent from class for five consecutive days or more due to illness, family tragedy, etc., are to notify the dean of the college and submit appropriate documentation. The dean will send notification to professors. All absences in a course are counted until the course has been officially dropped. A student who is excessively absent may be withdrawn from the University upon the recommendation of the college dean. If a student **stops** attending classes, the amount of financial aid awarded must be recalculated based on the **last date of attendance**.

Attendance at assemblies and departmental meetings is expected and is an important part of Xavier's educational program.

Academic Grievance Procedures

Students with concerns or grievances with an instructor or course are encouraged to settle their concerns first with the instructor. If the issue is unable to be resolved, students should bring their concerns to the attention of the Program Director/Department Head, the Division Chair, and only then the appropriate Associate Dean (graduate or undergraduate). Ordinarily, the Associate Dean expects a written summary of the concern and the actions taken to resolve the concern. The Associate Dean will then notify the Dean to facilitate further action, if necessary.

Final Examinations

Final examinations are given according to a schedule published at the beginning of each semester. Students and instructors are expected to follow this schedule. Final examinations must be given within the hours set aside in the examination schedule.

Grades for graduating seniors are due prior to the period assigned for final exams on the Academic Calendar. The intent is that the graduating seniors be given an early final. However, professors have other options: they may decide that graduating seniors (and graduating seniors only) receive their current grade in lieu of a final exam; or they may decide that Seniors can have the option of taking a final or retaining their current grade; they may also decide to substitute an additional assignment or test in lieu of a final for the graduating seniors. In all cases, the decision of the professor may not be appealed. Students who are not graduating are expected to take the final at the time scheduled.

Misreading or lack of knowledge of the schedule is not sufficient reason for a student's being absent from, or late for, a final examination. Students are advised to consult the examination schedule before making travel or other arrangements.

A student may be excused for missing a final examination only by his or her college dean and only in the case of an extreme circumstance. Students who must be absent from a final examination must present in writing an explanation and documentation, to his/her college dean, before, or at most 24 hours after, the examination. A student whose absence from a final examination is excused by his or her dean will receive the grade of "I" in the course and will be given a make-up examination; a student whose absence from a final examination is not excused may receive an "F" in the course.

Withdrawal (or Drop) from Courses

Students are encouraged to make decisions about withdrawal from courses after they review their mid-semester grades. A date on which withdrawals are no longer permitted is found on the University Academic Calendar. In order to withdraw from a class, the student must obtain a withdrawal form from their department head or the Registrar's Office and speak with their advisor and the instructor of the course. The student is required to complete their withdrawal form and obtain the signature of the course instructor and their advisor. A withdrawal fee must be paid to the cashier and then the form and the proof of payment are submitted to the Registrar's Office. Failure to follow this procedure will result in an F or an FE for the course.

No student will be allowed to withdraw from a developmental course or a freshman seminar course without withdrawing from the University. An exception may be made to this policy only in the most extreme circumstances and then only with the written approval of the Dean of the College of Arts and Sciences.

Withdrawal from the University

To officially withdraw from the University during the course of a term, a student must:

1. Obtain a withdrawal form from the Office of the Registrar.
2. Obtain signatures of designated officials on the withdrawal form.
3. Return the completed form to the Office of the Registrar no later than one week after the student has stopped attending class.

Withdrawal is not complete or official until all signatures have been obtained and the form is returned to the Office of the Registrar. The student's withdrawal date is the date the student officially turns in the form with signatures to the Registrar. The last day to officially withdraw from Xavier is posted on the Academic Calendar.

The student who withdraws without submitting the appropriate paperwork will incur a failure in all courses for which he/she is registered, and no refund of any kind can be claimed.

In the case of serious illness, the student or his or her parent(s), guardian or legal representative should request official withdrawal in writing through the college Dean's Office with appropriate documentation and a Family Educational Rights and Privacy (FERPA) form on file in the Registrar's Office. The dean will then contact the Office of the Registrar for processing of the withdrawal form. In this case, the student's withdrawal date is the date the student or an approved representative officially

notifies the Dean's Office of the withdrawal. A student who withdraws, who would like to return to the University, will be required to fill out a readmission application using the procedures found at: http://www.xula.edu/admissions/applicationinfo.php.

Administrative Withdrawal

In rare circumstances, students may be administratively withdrawn from the University upon the recommendation of the Provost and Senior Vice President for Academic Affairs of the University.

In all cases of Withdrawal from the University, students are responsible for the remaining tuition and fee balance. Please check with a Student Accounts' Representative in the Office of Fiscal Services for more information.

Graduation

1. **Completion Of Degree/Graduation Policies**
   A student must complete all requirements before being awarded a degree. This includes a minimum 2.0 GPA and passing the senior comprehensive examination, or achieving a designated score on an identified national examination for those departments that allow such tests to be used as a substitute for the senior comprehensive. Scores for national exams must be received prior to the last class day of the semester in which the student graduates. Students are encouraged to take these tests in the semester prior to graduation to allow sufficient time for the Registrar to receive their scores.

   For students who finish at times other than the spring commencement:
   - Completion at Xavier: The student will receive his or her diploma approximately two months after the end of the session in which the requirements are completed. The graduation/diploma date will be the date this session ends.
   - Completion elsewhere: The student who finishes his or her requirements elsewhere must obtain official, written permission to do so. The graduation/diploma date will be the date in which Xavier's corresponding session ends. The student will receive his or her diploma approximately two months after the Registrar at Xavier has received an official transcript of the credits earned. This transcript must be received by Xavier during the semester following the session in which the credits are earned. If the transcript is not received during this semester, the graduation/diploma date will be the semester in which the transcript is received.
2. **REQUIREMENTS FOR A DOUBLE MAJOR**
   A Xavier student may earn a B.A. or B.S. degree with a double major by successfully completing all requirements of the two department/division programs.

3. **REQUIREMENTS FOR TWO DEGREES**
   A Xavier student may earn two degrees by successfully completing all requirements of two department/division programs that result in two different degrees, i.e. a B.A. and a B.S. A student has five years to complete the second degree and all requirements must follow the same catalog. At most, one second degree may be earned. The second degree must include at least 30 hours of credit more than the single degree (typically 150 hours).

4. **ENROLLMENT IN GRADUATE COURSES PRIOR TO GRADUATION**
   Undergraduate senior students in their last year of study may be permitted to take a maximum of six credit hours of introductory-level graduate courses. Permission is contingent upon the student having a minimum GPA of 3.0 and approval of the Dean of the College of Arts and Sciences, the instructor of the graduate course, and the Director of the appropriate graduate program. The student will receive graduate credit upon successful completion of the course(s). This course work may be applied to a graduate degree program only AFTER the student has completed ALL the admission requirements and received formal acceptance to the graduate program. Under no circumstances will a graduate course be applied to both undergraduate and graduate credit.

   Undergraduates who wish to apply to a graduate program to take a graduate course must (1) complete the application

form, (2) have an official transcript of their undergraduate credits sent directly to the Director of the appropriate graduate program, and (3) have a letter of good standing from their academic advisor, as well as a specific recommendation as to which course(s) the student may take.

More information about graduate programs can be obtained from the Director of the appropriate graduate program.

5. **COMMENCEMENT CEREMONY POLICIES**
In order to participate in the spring commencement, a student must be enrolled in ALL remaining required courses by the last day of add/drop during that semester, have successfully completed all required courses, have at least a 2.0 overall GPA, and have passed the senior comprehensive. In addition, a student who is enrolled in all remaining required classes in the spring commencement semester, has a 2.0 overall GPA, has passed the senior comprehensive, but fails only ONE required course during that last semester will be allowed to participate in commencement exercises. Withdrawal from any required courses will prevent the student from participating in the commencement exercises. Also, students must satisfy all financial obligations to the University in order to participate in the Commencement Ceremony. These obligations include student accounts, library fines, and parking tickets, etc.

Request for Transcripts

Transcripts of a student's academic record will be issued upon online request or by written request and payment of the fee, provided that all financial obligations to the University, including Federal Loan repayments, are cleared. Transcripts request not ordered online should be requested one week in advance of the date needed.

Student Discipline

For information about Student Discipline, please see the general Student Life - Student Discipline section of this Catalog.

Academic Integrity and Academic Misconduct Policy

The integrity of academic work is a concern of all universities, and Xavier University of Louisiana strives for a culture of integrity and respect. Ethical conduct violations or academic dishonesty can take a number of forms and are grouped herein under the general heading of Academic Misconduct. The Academic Integrity Policy of the College of Arts and Sciences provides a multi-level course of action by which academic misconduct is reported, recorded, and appropriately assessed in a fair and equitable manner. Pharmacy students should refer to the *College of Pharmacy Academic and Ethical Handbook*.

Sanctions for academic misconduct include academic censure, academic suspension, and permanent separation (expulsion) from the University.

The full text of the College of Arts and Sciences' Academic Integrity Policy includes examples of academic misconduct, procedural elements for reporting and subsequent actions for addressing academic misconduct, and the roles and responsibilities of the student, instructor, and the College of Arts and Sciences Academic Misconduct Hearing Committee. The full text of this policy can be found at http://www.xula.edu/cas/documents/cas_academicIntegrity.pdf.

- Undergraduate Students -

Classification of Students

Undergraduate students determine their academic progress according to their completion of specific entrance requirements and prescribed courses. To facilitate this determination, students are grouped according to the number of hours earned toward their degree.

Freshman	--
Sophomore	29*
Junior	62
Senior	95

*The 29 hours required for sophomore status must include 6 hours of English composition or ENGL 1023H with a grade of "C" or better. In addition, the student must have passed all required developmental courses before being classified as a sophomore.

Current Students: Core Curriculum Requirements

The core curriculum consists of 40 total hours organized in these components: 1) Foundations at Xavier; 2) Explorations in the Liberal Arts; and 3) Engagements with Knowledge and Practice. The core curriculum has been in effect for all new and transfer students entering Xavier since the 2018-2019 academic year.

Students enrolled under any previous catalog will be required to fulfill the old core unless they take advantage of the option to choose the new core with the approval of their department head/division chair. Once a "previous catalog" student chooses to follow the new core, however, he or she may not elect to return to the old core.

Students with less than 30 credit hours - Xavier students, who entered in academic year 2017-18 or earlier, or transfer students with less the 30 credit hours and have credit for Freshmen Seminar 1000 or 1100 or have taken a similar course at another institution will be exempt from XCOR 1000 and will be required to take XCOR 1011 or XCOR 1012 (one or the other but not both) if they choose the curriculum with new core. However, the requirement for XCOR 1011/XCOR 1012 will be waived if a student has taken at least three hours of coursework in that area.

Current students will also receive appropriate credit for core courses that they have already taken that are approved under the new core curriculum.

Students with more than 30 credit hours but less than 60 credit hours - Xavier students, who entered in academic year 2017-18 or earlier, or transfer students with 30 or more credit hours but less than 60 hours will be exempt from XCOR 1000 and XCOR 1011/XCOR 1012 if they choose the curriculum with new core.

Xavier students and transfer students will also receive appropriate credit for core courses that they have already taken and these courses could count towards the new core curriculum. For example, a student who has taken any History course may receive a credit for the "The Human Past" requirement in the new core. This determination will be made at the departmental/divisional level.

Transfer Students: Core Curriculum Requirements

Students with less than 30 credit hours - Transfer students with less than 30 credit hours will be required to take XCOR 1000 and XCOR 1011/XCOR 1012 .

Students with more than 30 credit hours but less than 60 credit hours without an Associate degree - Transfer students with 30 or more credit hours will be exempt from XCOR 1000 and XCOR 1011/XCOR 1012.

Students with an Associate degree - Transfer students with a transferable associate's degree from a community college or who have achieved junior standing at a four-year institution will generally be required to take six hours of coursework (one three-hour course in African American and Diaspora Studies and one three-hour course in Theology) to complete core curriculum requirements towards a Xavier degree. However, the requirement for one or both courses will be waived if the transcripts show that a student has taken at least three hours of coursework in that area. Students entering Xavier under the 2018-2019 catalog will be exempt for the 2018-2019 core curriculum.

Academic Standing

Students who have both a 2.0 cumulative and semester grade point average are designated in good academic standing. Students who do not meet these criteria are reviewed by the College Academic Standing Committee and will be either placed on probation or dismissed from the University.

The College of Arts and Sciences' Academic Standing Committee meets at the end of each semester to review student progress. The Dean of the College of Arts and Sciences chairs the Committee. Decisions made by the committee include dismissal, strict probation, and probation. In addition to these basic decisions, they may also include specific requirements for individual students. Compliance with those requirements will impact subsequent decisions.

Academic Probation

Students who are not in good academic standing are placed on academic probation. A student is notified of academic probation by email and this status is also reflected on Banner Web.

Strict Probation

A student whose cumulative average is below 2.0 is placed on strict probation. Notification of this status is sent by email and is reflected in the student's Banner transcript. The student is limited to enrolling in 13 semester hours while on strict probation. Students on strict probation must achieve a 2.0 grade point average for the coursework taken during the probationary semester, must maintain contact with a counselor in Xavier's Counseling and Wellness Center, and must maintain contact with their academic advisor. The student must also document participation in academic support programs through the Student Academic Success Office. If these conditions are not met, the student is liable for dismissal.

Probation

A student whose cumulative grade point average is 2.0 or greater but who has less than a 2.0 for the previous semester is placed on probation. Notification of this status is sent by email and is reflected on Banner Web. The student is limited to enrolling in 15 semester hours.

In order to be removed from academic probation, a student must achieve a grade point average of 2.0 in 12 or more semester hours and have a cumulative grade point average of at least 2.0.

Academic Dismissal

Students whose academic performance is unsatisfactory are thoroughly reviewed by the Academic Standing Committee. The review includes the student's admissions data, complete transcript, involvement in student support services through the Student Academic Success Office and/or Counseling Services, disciplinary infractions, and compliance with previous recommendations and requirements of the Committee.

If a decision is made for dismissal, an email notice is sent immediately followed by a letter mailed to the student's permanent address. **It is the student's responsibility to verify their academic standing by checking Xavier email and using Banner Web before returning for the next term.**

A student who has been academically dismissed is deregistered from all coursework and forfeits any reserved dormitory accommodations, if applicable.

Academic Forgiveness

Academic Forgiveness is an umbrella term for a menu of policies (six total) meant to aid students in achieving academic success. These policies will aid students in achieving timely graduation by encouraging responsible behavior while also accounting for common mistakes as well as unavoidable circumstances and hardships.

These policies range from affecting four semesters of coursework to affecting only one course. There are three tiers of policies. Listed from most expansive to least, the tiers are:

Tier 1: Academic Renewal (covers up to 4 semesters)
Tier 2: Academic Reprieve (covers 1 semester); Curriculum Change Clemency (covers 1-2 semesters)
Tier 3: Course Repeat/Delete; Course Retake; Pass/Fail (each covers one course)

Xavier University of Louisiana Academic Renewal Policy
The purpose of Academic Renewal is to aid students in achieving timely graduation by disregarding up to four semesters of a student's previously recorded poor academic performance when such work does not reflect current abilities or work ethic. As a consequence, Academic Renewal allows students to benefit from their current level of ability without being permanently penalized by past substandard performance. Additionally, Academic Renewal is meant to encourage students to continue their educational efforts at Xavier when the impact of previously-earned low grades on the cumulative GPA would otherwise make success unlikely.

A student may request Academic Renewal at Xavier consistent with these guidelines:

1. Academic Renewal is intended to facilitate timely graduation from Xavier University, which requires a GPA of 2.0. Therefore, it is available for students with a cumulative GPA below 2.0. It is not a vehicle for students who want to raise a grade point average already above 2.0.
2. A student may request Academic Renewal for no more than four semesters of work accomplished at Xavier.
3. Students may receive Academic Renewal only one time during their Xavier career.
4. Academic Renewal is irreversible.
5. To qualify for Renewal, a minimum of six consecutive semesters must occur between the end of the semester in which the student was last registered at Xavier and being readmitted to the university. For example, if a student were to leave the university during the Spring 2016 semester, they would need to remain un-enrolled at Xavier until at least the summer of 2018 and would be eligible to apply for Academic Renewal as early as Fall 2018. For these purposes there are three semesters per academic year: Fall, Spring, and Summer. A student who does not have at least six consecutive semesters in which they are not enrolled at Xavier does NOT qualify for Academic Renewal.
NOTE: A student may be enrolled at another institution during their hiatus from Xavier. Rules regarding transfer credit will apply to any credits earned at other institutions.
6. Prior to applying for Academic Renewal, the student must have earned no grade lower than a C in a minimum of 12 hours of regularly graded course work. Academic Renewal must be applied for prior to earning 24 hours of credit post reenrollment. (Generally, this will mean a student applies for Academic Renewal during the second semester of re-enrollment.)
7. With approval of the college dean, courses with a grade of C or better may be carried forward as earned credits and may be

applied toward the degree though they will not affect the student's post-Renewal GPA. Courses with a grade of F taken prior to Academic Renewal are notated on the transcript and do not count as earned credits, as satisfying any graduation requirements, or toward the student's post-Renewal GPA. All courses with a grade of D can also be notated on the transcript and do not count as earned credits, do not count as satisfying any graduation requirements, and do not count toward the GPA. Courses with a grade of D may be moved forward as earned credits applied toward the degree if the courses can meet core requirements.
8. Once Academic Renewal is approved, the cumulative grade point average is calculated utilizing only classes taken post readmission.
NOTE: If the department or college has placed the student on probationary status, it is not automatically changed by Academic Renewal.
9. The student will be subject to the current Xavier catalog at the time of readmission regarding all policies, required course work, etc.
10. The number of course retakes, repeat/deletes, and pass/fails available to the student will be reset to the number provided by current Xavier policy upon renewal.
11. Academic Renewal applies only to degree-seeking, undergraduate students.
12. All courses prior to Academic Renewal remain unaltered on the record to ensure a true and complete academic history.
13. Academic Renewal by Xavier University of Louisiana does not guarantee that other institutions will accept the standards of said Renewal. Many graduate and professional degree programs disregard undergraduate institution policies, and compute the undergraduate GPA utilizing all hours attempted when determining admission.
14. Academic Renewal does not affect financial aid history. Accumulated hours and award limits include all semesters of enrollment. Students who did not meet satisfactory academic progress in their last semester should contact the Office of Financial Aid to see if an appeal to regain federal aid is necessary and to check their overall financial aid requirements and status.
15. To apply for Academic Renewal students must fill out the Academic Renewal application and meet with the college dean to discuss the positive and negative effects of this decision. There are many benefits to Academic Renewal, however there are also drawbacks. Before a student applies, it is important to understand all the ramifications of this policy, including that it may delay graduation, because once approved this policy is irreversible.

Xavier University of Louisiana Academic Reprieve Policy
The purpose of Academic Reprieve is to disregard one semester of a student's recorded poor academic performance when such work is deemed the result of a severe, traumatic, unforeseeable, and unavoidable life event outside of the student's control. As a consequence, Academic Reprieve allows students to benefit from their current level of ability without being permanently penalized by a semester in which their academic performance was affected by outside events such as severe illness or traumatic family issues. Academic Reprieve is meant to encourage students to continue their educational efforts at Xavier despite a one-semester setback due to extreme circumstances outside of their control.

A student may request Academic Reprieve at Xavier consistent with these guidelines:

1. Academic Reprieve is intended to facilitate timely graduation from Xavier University, which requires a GPA of 2.0. Therefore, it is available for students with a GPA below 2.0 in the semester for which reprieve is requested. It is not a vehicle for students who want to raise a grade point average already above 2.0.
2. A student may request Academic Reprieve for no more than one semester of work accomplished at Xavier.
NOTE: Whether a semester's events meet the standard required to justify Academic Reprieve will be determined at the college dean's discretion based on documented evidence. It is the student's responsibility to provide adequate documentation of the event(s) that warrant reprieve, regardless of the timing of application.
3. Students may receive Academic Reprieve only one time during their Xavier career.
4. Academic Reprieve is irreversible.
5. With approval of the college dean, courses with a grade of C or better will be carried forward as earned credits, will be applied toward the degree, and will count toward the GPA. Courses with a grade of F taken during the Academic Reprieve semester are notated on the transcript and do not count as earned credits, do not count as satisfying any graduation requirements, and do not count toward the GPA. All courses with a grade of D can also be notated on the transcript and do not count as earned credits, do not count as satisfying any graduation requirements, and do not count toward the GPA. D or F courses dropped in this manner from the Academic Reprieve semester may be repeated under the Reprieve policy without counting towards limits outlined in the course retake or repeat-delete policies in the current catalog. Courses with a grade of D may be kept as earned credits, and, if so,

will remain in the GPA, if the courses can meet core degree requirements.
NOTE: If the department or college has placed the student on probationary status, it is not automatically changed by Academic Reprieve.
6. Prior to applying for Academic Reprieve, the student must have earned no grade lower than a C in a minimum of 12 hours of regularly graded course work. Academic Reprieve must be applied for prior to earning 24 hours of credit post Reprieve semester. (Generally, this will mean a student applies for Academic Reprieve during the second semester of re-enrollment.)
7. Any retakes, repeat/deletes, and/or pass/fail classes in progress during the Reprieve semester and dropped under the Reprieve policy will NOT count toward the limits under the applicable retake, repeat/delete, or pass/fail policies. Any retakes, repeat/deletes, and/or pass/fails which were in progress during the Reprieve semester and were kept for the GPA and earned credits will continue to count toward the limits under the applicable retake, repeat/delete, or pass/fail policies.
8. Academic Reprieve applies only to degree-seeking, undergraduate students.
9. All courses taken in the semester for which Academic Reprieve is granted remain unaltered on the record to ensure a true and complete academic history.
10. Academic Reprieve by Xavier University of Louisiana does not guarantee that other institutions will accept the standards of said Reprieve. Many graduate and professional degree programs disregard undergraduate institution policies, and compute the undergraduate GPA utilizing all hours attempted when determining admission.
11. Academic Reprieve does not affect financial aid history. Accumulated hours and award limits include all semesters of enrollment. Students who did not meet satisfactory academic progress in their last semester should contact the Office of Financial Aid to see if an appeal to regain federal aid is necessary and to check their overall financial aid requirements and status.
12. To apply for Academic Reprieve students must fill out the Academic Reprieve application and meet with the college dean to discuss the positive and negative effects of this decision. There are many benefits to Academic Reprieve, however there are also drawbacks. Before a student applies, it is important to understand all the ramifications of this policy, including that it may delay graduation, because once approved this policy is irreversible.

Xavier University of Louisiana Curriculum Change Clemency Policy
The purpose of Curriculum Change Clemency is to facilitate student progression toward graduation when a student chooses a new degree program in a different department that has differing requirements from a previous major in which the student was unsuccessful. Curriculum Change Clemency disregards previously recorded poor academic performance in courses not required for the new degree program when such work does not reflect the student's current abilities, academic and career interests, or work ethic. As a consequence, Curriculum Change Clemency allows students to benefit from their current level of ability without being permanently penalized by time in a major for which the student was ill-suited. Curriculum Change Clemency is meant to encourage students to continue their educational efforts at Xavier when the weight of low grades earned in a previously selected major would otherwise make success unlikely.

A student may request Curriculum Change Clemency at Xavier consistent with these guidelines:

1. Students may receive Curriculum Change Clemency only one time during their Xavier career.
2. Curriculum Change Clemency is irreversible.
NOTE: Once granted Clemency, students are prohibited from majoring in their former department at any point while at Xavier University.
3. A student may request Curriculum Change Clemency for no more than two semesters of work accomplished at Xavier.
4. Prior to applying for Curriculum Change Clemency, the student must have earned no grade lower than a C in a minimum of 12 hours of regularly graded course work post change of major. Curriculum Change Clemency must be applied for prior to earning 24 hours of credit post change of major. (Generally, this will mean a student applies for Curriculum Change Clemency during the second semester in their new major).
NOTE: It is the student's responsibility to officially change their major a semester (or 12 hours of credit) prior to requesting Curriculum Change Clemency.
5. To apply for Curriculum Change Clemency, a student must have written permission from their new Department Head and Division Chair.
NOTE: It is the purview of the Department Head and Division Chair to determine whether or not to support a student's application for Curriculum Change Clemency. Once supported by the Department Head and Division Chair, it is the purview of the college dean to decide whether or not to approve a student's application for Curriculum Change Clemency.

6. With approval of the college dean, courses in the Clemency semester(s) with a grade of C or better will be carried forward as earned credits, will be applied toward the degree, and will count toward the GPA. Courses with a grade of F taken during the Clemency semester(s) are notated on the transcript and do not count as earned credits, do not count as satisfying any graduation requirements, and do not count toward the GPA. All courses with a grade of D can also be notated on the transcript and do not count as earned credits, do not count as satisfying any graduation requirements, and do not count toward the GPA. Courses with a grade of D may be kept as earned credits if the courses can meet core requirements, and, if so, will remain in the GPA.
NOTE: If the college has placed the student on probationary status, it is not automatically changed by Curriculum Change Clemency.
7. The number of course retakes, repeat/deletes, and pass/fails utilized during the Clemency semester(s) will NOT reset and will count toward the total allowable credits for the student's academic career as outlined in Xavier policy in the applicable academic catalog.
8. Curriculum Change Clemency applies only to degree-seeking, undergraduate students.
9. All courses taken in the semester(s) for which Curriculum Change Clemency is granted remain unaltered on the record to ensure a true and complete academic history.
10. Curriculum Change Clemency by Xavier University of Louisiana does not guarantee that other institutions will accept the standards of said Clemency. Many graduate and professional degree programs disregard undergraduate institution policies, and compute the undergraduate GPA utilizing all hours attempted when determining admission.
11. Curriculum Change Clemency does not affect financial aid history. Accumulated hours and award limits include all semesters of enrollment. Students who did not meet satisfactory academic progress in their last semester should contact the Office of Financial Aid to see if an appeal to regain federal aid is necessary and to check their overall financial aid requirements and status.
12. To apply for Curriculum Change Clemency students must fill out the Curriculum Change Clemency application and meet with the appropriate Department Head, Division Chair, and college dean to discuss the positive and negative effects of this decision. There are many benefits to Curriculum Change Clemency, however there are also drawbacks. Before a student applies, it is important to understand all the ramifications of this policy, including that it may delay graduation, because once approved this policy is irreversible.

Xavier University of Louisiana Course Repeat/Delete Policy
The purpose of repeating and deleting a course is to facilitate student progression toward graduation. This policy allows a student to repeat a course and remove the lower grade from the GPA.

A student may repeat and delete a course at Xavier consistent with these guidelines:

1. Students will be allowed to repeat/delete only three courses during their careers at Xavier.
2. A student may repeat/delete a given course only one time.
3. Utilizing the course repeat/delete policy is irreversible. A course will be marked as repeat/delete at the beginning of the semester. No changes may be made after the initial add period.
NOTE: Withdrawing from a course will NOT reset the repeat/delete status of the course. Thus, one of the three allowable repeat/delete courses will have been used and the course will not be applicable for repeat/delete a second time.
4. Utilizing the course repeat/delete policy, the student's GPA will be calculated using the highest grade earned.
5. To repeat/delete a course, students must meet with their advisor to get written permission and discuss the positive and negative effects of this decision.
6. The repeat/delete policy applies only to degree-seeking, undergraduate students.
7. All courses taken remain unaltered on the record to ensure a true and complete academic history.
8. The acceptance of a repeat/delete course by Xavier University of Louisiana does not guarantee that other institutions will accept the standards of this repeat/delete policy. Many graduate and professional degree programs disregard undergraduate institution policies and compute the undergraduate GPA utilizing all hours attempted when determining admission.
9. Repeating courses does not affect financial aid history. Accumulated hours and award limits include all semesters of enrollment. Students who did not meet satisfactory academic progress in their last semester should contact the Office of Financial Aid to see if an appeal to regain federal aid is necessary and to check their overall financial aid requirements and status.
10. To utilize the repeat/delete policy students must meet with their advisor to discuss the positive and negative effects of this decision. There are many benefits to repeat/delete, however there are also drawbacks. Before a student signs up for a course as

repeat/delete, it is important to understand all the ramifications of this decision, including that it may delay graduation, because once the initial drop deadline passes, it is irreversible.

Xavier University of Louisiana Course Retake Policy

The purpose of retaking a course is to facilitate student progression toward graduation. This policy allows a student to retake a course even if the repeat/delete policy is no longer available either because the student has already repeat/deleted three different courses or because the student is retaking a class for the third time.

A student may retake a course at Xavier consistent with these guidelines:

1. Students will be allowed to retake only three courses during their careers at Xavier.
2. A student may retake a given course only one time.
3. Utilizing the course retake policy is irreversible. A course will be marked as retake at the beginning of the semester. No changes may be made after the initial add period.
NOTE: Withdrawing from a course will NOT reset the retake status of the course. Thus, one of the three allowable retake courses will have been used and the course will not be applicable for retake a second time. (For exceptions see below.)
4. Utilizing the course retake policy, the student's GPA will be calculated using both grades.
5. To retake a course, students must meet with their advisor to get written permission and discuss the positive and negative effects of this decision.
6. Exceptions to this policy may be granted by department heads for majors or minors with junior or senior standing where a C or better is required for the major or minor or if the student is ineligible to progress in their program without a passing grade.
7. The retake policy applies only to degree-seeking, undergraduate students.
8. All courses taken remain unaltered on the record to ensure a true and complete academic history.
9. The acceptance of retake courses by Xavier University of Louisiana does not guarantee that other institutions will accept the standards of this policy. Many graduate and professional degree programs disregard undergraduate institution policies and compute the undergraduate GPA utilizing all hours attempted when determining admission.
10. Retaking courses does not affect financial aid history. Accumulated hours and award limits include all semesters of enrollment. Students who did not meet satisfactory academic progress in their last semester should contact the Office of Financial Aid to see if an appeal to regain federal aid is necessary and to check their overall financial aid requirements and status.
11. To utilize the retake policy students must meet with their advisor to discuss the positive and negative effects of this decision. There are many benefits to retake, however there are also drawbacks. Before a student signs up for a course as retake, it is important to understand all the ramifications of this decision, including that it may delay graduation, because once the initial drop deadline passes, it is irreversible.

Xavier University of Louisiana Pass/Fail Policy

The purpose of designating a course pass/fail is to encourage students to challenge themselves and broaden their knowledge while at Xavier when the fear of a low grade in an elective course negatively impacting the GPA might otherwise discourage academic curiosity.

A student may utilize the P/F policy for a course at Xavier consistent with these guidelines:

1. Students with sophomore status (more than 29 hours) or above will be allowed to designate only three courses as P/F during their careers at Xavier. Freshman may NOT utilize the P/F policy.
2. A student may designate only elective courses as P/F.
3. Designating a class as pass/fail is irreversible. A course will be designated as a pass/fail course at the beginning of the semester. No changes may be made after the initial add period.
NOTE: Withdrawing from a course will NOT reset the P/F status of the course. Thus, one of the three allowable P/F courses will have been used even if the student withdraws.
4. The P/F policy denotes grades of A-C as passing and grades of D and F as failing. Failing counts as an F on the GPA and does

not count as earned hours, while courses passed do not impact the GPA but do count as earned hours.
NOTE 1: By ensuring that all pass (P) grades are of a C or better courses may count in a major or minor should a student change major or minor after the semester in which they designated the course as P/F. Courses must be considered an elective according to the student's plan of study at the time they begin the course.
NOTE 2: Should a major or minor change occur after taking a course P/F, it is up to departments to set their own policies regarding accepting a P/F toward major or minor requirements. Students must consult individual department policies.
5. To take a course as P/F, students must meet with their advisor and the course instructor to get written permission from both after discussing the positive and negative effects of this decision.
NOTE: It is up to the discretion of the course instructor whether or not they will allow a designated course to be taken as P/F. It is recommended that students contact the instructor directly the semester before the course begins to find out if they will allow the course to be taken as P/F.
6. The P/F policy applies only to degree-seeking, undergraduate students.
7. All courses taken remain unaltered on the record to ensure a true and complete academic history.
8. The acceptance of a P/F course by Xavier University of Louisiana does not guarantee that other institutions will accept the standards of this policy. Many graduate and professional degree programs disregard undergraduate institution policies and compute the undergraduate GPA utilizing all hours attempted when determining admission.
9. Taking courses as P/F does not affect financial aid history. Accumulated hours and award limits include all semesters of enrollment. Students who did not meet satisfactory academic progress in their last semester should contact the Office of Financial Aid to see if an appeal to regain federal aid is necessary and to check their overall financial aid requirements and status.

To utilize the P/F policy students must be of sophomore status and meet with their advisor to discuss the positive and negative effects of this decision. There are many benefits to P/F, however there are also drawbacks. Before a student signs up for a course as P/F, it is important to understand all the ramifications of this decision, because once the drop deadline passes, it is irreversible.

Readmission

A student who desires readmission to the University after an interruption of attendance for any reason must apply for readmission following the procedure outlined at: https://www.xula.edu/readmission.

If the student applying for readmission was academically dismissed or had a cumulative or semester grade point average of less than 2.0, their application will be reviewed by the College of Arts and Sciences' Academic Standing Committee for a decision. As part of the readmission procedure, a student who was not in good academic standing when leaving the University must arrange for an appointment with Xavier's Counseling and Wellness Center.

Appealing a Readmission Decision

If a student is denied readmission by the College of Arts and Sciences' Academic Standing Committee, the student has a right to a written appeal of the decision to the University Academic Standing Committee. That committee meets only once a year during the month of July. The appeal must be received in the Registrar's Office no later than July 1.

Online/Hybrid Courses Policy

Freshmen with 29 or fewer credit hours are not allowed to take online and hybrid courses. The students may request an exception with their advisors if they can demonstrate previous successful experiences with online and/or hybrid courses.

Students on strict probation should obtain the permission of their advisor in consultation with the Student Academic Success Office in order to take an online or a hybrid course.

Appealing a Dismissal Decision

Students who have been academically dismissed have the right to appeal this decision to the University Academic Standing Committee. This Committee only meets in July so a student who is academically dismissed after the fall semester is unable to file an appeal for readmission for the spring semester that immediately follows. The student must then apply for readmission for the upcoming fall or spring semester. Students dismissed in the spring semester must file a written appeal for readmission for the following fall semester (Academic Appeal Form). This appeal must be received in the Office of the Registrar by July 1. The University Academic Standing Committee, chaired by the Provost and Senior Vice President for Academic Affairs, will review the appeal and render a decision which will be communicated to the student in mid-July both by email and a letter mailed to the address indicated on the student's appeal form. Students who not submit a formal appeal by the July 1 deadline would have to apply for readmission for the upcoming spring semester.

- Graduate Students -

Academic Information

General Policies

1. Acceptance as a graduate student is not a guarantee that a graduate degree will be awarded.
2. Students pursuing graduate degrees ordinarily must complete all requirements within seven years from the first registration date.
3. All graduate students, both full-time and part-time, will be assigned an advisor upon selection of a degree program. The advisor will assist the student in planning his/her program of study. Students are required to have the approval of the advisor for each course(s) selected each semester. The coordinator of each of the graduate programs is also available to discuss a student's program and concerns.
4. Upon successful completion of a minimum of 12 credit hours, the student must seek his/her advisor's approval to apply for degree candidacy. Candidacy status is awarded by the Graduate Programs Council.
5. Graduate students enrolled for a minimum of six credit hours per semester or three credit hours during the summer are considered full-time.

Admission to Candidacy

A graduate student does not become an actual candidate for a graduate degree until granted formal admission to candidacy. To be admitted to candidacy, the student must have completed at least 12 semester hours of graduate credit at Xavier University, removed all deficiencies, obtained the written approval of his/her advisor, signed the Application for Candidacy form, and received approval from the Graduate Programs Council. Theology students must also pass a qualifying exam. At the time of filing, the candidate must meet the requirements of the University regarding academic scholarship as outlined in each degree program.

Transfer Credit

A maximum of nine semester hours of credit may be considered for transfer from another accredited institution of higher education toward a graduate degree at Xavier University. Each request for a transfer of credits will be considered on an individual basis. It is the responsibility of the student to have an official transcript from the institution where the graduate credits were taken mailed directly to the Office of Graduate Programs. The student must request and have sent directly to the Office of Graduate Programs a course description, in English, for each course under consideration. Under no circumstances will consideration be given unless the above documents are on file. The grade earned, the time elapsed since the credit was earned, and the value of the course content to the candidate's particular program will be considered when determining transfer credit. Consideration will be given only for those courses for which a grade of "A" or "B" was assigned. Normally, credits older than six years are not acceptable for transfer. Requests for transfer credit will not be given consideration until the student has received candidacy status.

Students currently enrolled in a Xavier degree program may not take courses at other institutions without the prior written permission of their advisor and the Office of Graduate Programs. This request must be accompanied by the course description from a college publication. Upon completion of the course work, an official transcript for each course to be transferred must be submitted to the Office of Graduate Programs. Additional information, such as course syllabi and assignments, may also be required.

Requirement for the Second Master's Degree

A student who has earned a master's degree at Xavier may apply for a second master's degree only if the second degree is in a different program/specialty from the first. Individuals pursuing a second master's degree at Xavier may petition for acceptance of up to nine credit hours from the first master's degree towards the second master's degree. The acceptance of hours from the first master's degree toward the requirements for the second master's degree must be recommended by the program Director for the second degree.

Registration

Only those students duly admitted to a Graduate program may register for graduate courses. Before each term's registration, the student must consult with his or her assigned advisor and obtain approval for the courses for that term.

Students who are studying full-time during the regular semester are limited to nine credit hours. Permission to register for additional credits in any term must be approved by the Director of the appropriate graduate program.

Graduate Courses for Undergraduates

Undergraduate senior students in their last year of study may be permitted to take a maximum of six credit hours of introductory-level graduate courses. The request must be initiated by the student and his/her department head. Permission is contingent upon the student having a minimum cumulative GPA of 3.0 and approval of the Chair/Director of the appropriate graduate program and the instructor of the graduate course. The student will receive graduate credit upon successful completion of the course(s). This course work may be applied to a graduate degree program only AFTER the student has completed ALL the admission requirements and received formal acceptance to a Graduate program. Under no circumstances will a graduate course be applied to both undergraduate and graduate credit.

Undergraduates who wish to apply to a graduate program to take a graduate course must (1) complete the application form, (2) have an official transcript of their undergraduate credits sent directly to the Director of the appropriate graduate program, and (3) have a letter of good standing from their academic advisor, as well as a specific recommendation as to which course(s) the student may take.

Audit Policy

A graduate student who wishes to audit a course must obtain permission from his/her advisor, the instructor of the course and the Chair/Director of the appropriate graduate program prior to course registration. A student wishing to audit must have met all Xavier University Graduate Programs admission requirements and received formal acceptance. Regular attendance is required for a grade of AU.

Auditors are subject to the same fee structure as credit students and regular class attendance is required. Once enrolled as an auditor, a student may not change to credit status unless such a change is requested prior to the last day to add classes as indicated in the official Academic Calendar for that particular semester.

Residence Requirements

The term "residence" refers to the need to take courses in any given program under the auspices of the Xavier University Graduate Program. Students enrolled in a College of Arts and Sciences graduate program are required to take the majority of their coursework at Xavier. Specific programs have additional requirements: At least 27 credit hours for the graduate Master's Education programs, at least 45 credit hours for Counseling, and at least 31 credit hours in the graduate Theology program must be earned at Xavier.

Withdrawal Process

A student must meet with his/her advisor before withdrawing from any course or his/her graduate program. The student who withdraws from his/her graduate program must complete the University's Withdrawal Form and meet university withdrawal requirements. Students who do not complete the required documentation for withdrawal will receive a grade of "F" for the course(s). When a student withdraws from a course(s) and the withdrawal does not bring that student to zero hours, the Add-Drop form must be completed.

Xavier University reserves the right to request the withdrawal from Graduate Programs of any student who is unable to meet the established standards of scholarship.

Academic Standards

To be awarded a master's degree, a student must have achieved a cumulative grade point average of not less than 3.0, with no more than one "C" in any required coursework. The student's academic progress is measured quantitatively in terms of credit hours and qualitatively in terms of quality points. The following scale is the standard:

Grade		Quality Points per Semester Hour
A	Excellent	4
B	Good	3
C	Average	2
F	Failure)	0
I	Incomplete	0
W	Withdrawal	0

In order to grant an "I" grade, the instructor must have written approval from the college dean. The instructor prepares a written agreement (with a timeline for completion) regarding the expectations of the student. A temporary grade of "I" (incomplete), unless changed before the end of the sixth week of the semester following the one in which it was incurred, becomes an "F". Unless a prior waiver is granted, a student who receives an "I" at the end of the spring semester should complete the work before the end of the first summer school session.

Graduation

The university conducts one commencement exercise, which is held following the completion of the Spring Semester each year for all College of Arts and Sciences graduate programs with the exception of Theology. For Theology students, the university conducts one commencement exercise which is held at the completion of the summer session.

Academic Probation and Dismissal

Academic Probation

A student whose grade-point average in any semester or whose cumulative grade point average falls below 3.0 will be placed on Academic Probation. Students on Academic Probation must meet with their advisor regarding their status and future enrollment. Students who are permitted to continue in their program of study may be limited to one course and no more than six semester hours in the following semester.

Students on Academic Probation will be given one semester to earn a minimum grade-point average of 3.0 in all courses pursued during that semester, and not more than two semesters to raise the cumulative grade point average to 3.0.

Academic Dismissal

Students on Academic Probation who do not attain the required 3.0 average after two semesters will be academically dismissed. Conditions for continuation in the graduate programs must be recommended by the Graduate Academic Standing Committee.

A student who accumulates two grades of "C" or below will be academically dismissed. A grade of "C" in a major course usually will necessitate retaking the course.

Appeal Process for Academic Dismissals

Students have the right to appeal their dismissal from a graduate program to the Graduate Academic Standing Committee. In order to appeal their dismissal, students must submit an appeal form to the Office of Graduate Programs. Students must complete the form in its entirety and are encouraged to attach a letter or supporting documentation explaining the extenuating circumstances that resulted in poor academic performance. Students dismissed at the end of the Fall semester, must submit an appeal letter by January 1st. Students dismissed at the end of the Spring semester, must submit an appeal letter by May 20th. Students dismissed at the end of the Summer semester, must submit an appeal letter by August 14th. If an appeal is approved, students can return for the next upcoming semester, but must follow any conditions recommended by the Graduate Academic Standing Committee. If an appeal is denied, a student may not return to their program for the next upcoming semester, but may apply for readmission for the following semester.

Readmission Following Dismissal

Students who would like to be readmitted to the university following sitting out at least one semester due to academic dismissal are encouraged to make an appointment with their advisor and discuss the reasons for requesting readmission. Students must complete a readmission form and submit it to the Office of Graduate Programs by the deadlines indicated below. Readmission must be approved by the Graduate Academic Standing Committee.

Deadlines for Submitting Readmission Applications:

- Requesting Readmission for Fall--July 1st
- Requesting Readmission for Spring--November 1st
- Requesting Readmission for Summer--April 1st

Readmitted students must schedule an appointment with their advisor prior to registering for classes to ensure they are following the terms of their readmission. Students readmitted after academic dismissal are typically placed on academic probation and will be dismissed if they do not earn a cumulative average of 3.0 in all courses pursued during the first semester following readmission.

If a student is not readmitted, that student may appeal the decision in writing to the Graduate Academic Standing Committee within two weeks of receiving the notification of denial.

Academic Programs

Student Academic Success Office

"Retention is the Outcome....Graduation is the Goal!" The mission of the Student Academic Success Office (SASO) is to improve retention and graduation rates of Xavier students, particularly by providing support and programs that focus on first-year students and students who are academically at risk. This is accomplished through academic advising and support initiatives that include:

1. Designing and implementing academic programs and services to improve retention and graduation rates;
2. Monitoring the academic progress of academic probationary students and advising Deciding Majors;
3. Providing academic enhancement resources;
4. Providing academic support through peer tutoring and supplemental instruction via the academic resource centers (reading, writing, mathematics, biology, physics and chemistry); and
5. Coordinating an Early Alert System of monitoring and mentoring of students.

SASO Academic Programs and Advising

The purpose of SASO Academic Programs and Advising is to provide a support system to increase academic development and progress through a nurturing/mentoring environment. This environment fosters a sense of hope and pride in all students, particularly academically high-risk students. SASO stimulates intellectual growth by empowering students with the tools needed to reach academic excellence. The programs include:

- Academic Recovery Program - Designed for students on Academic Strict Probation;
- Keys to Success Workshops - Workshops that provide practical strategies for success;
- Supplemental Instruction - Academic assistance program that utilizes peer-led teaching and study sessions;
- Academic Support - Free tutoring through the Academic Resource Centers, and
- Academic Advising for Deciding Majors and students on Academic Strict Probation.

Deciding Majors

The Student Academic Success Office provides advising and support for students who are identified as Deciding Majors. These are first year students at Xavier University who have not chosen a major or returning students who were unsuccessful in their selected major. Students are allowed to remain a Deciding Major for two semesters. An additional semester is allowed for students who have a minimum cumulative GPA of 2.0 and require an additional semester to meet the GPA requirement of their intended major. Permission to remain as a Deciding Major after two semesters must be granted by the Student Academic Success Office. After the maximum of three (3) semesters, students who have not been admitted or have not chosen an academic department ordinarily will be dismissed from the University.

Deciding Majors are given several opportunities throughout the semester to meet with faculty and staff from around the campus. Monthly meetings are scheduled and may include presentations by Career Services, Intercultural and International Programs, or one or more department chair on the value of a major in their area. Policies and procedures are reviewed with the Deciding Majors so that they remain focused on a curriculum that will help to make a wise and informed decision.

Interdisciplinary Minors

African American and Diaspora Studies

The Minor in African American and Diaspora Studies (AADS) is an interdisciplinary and multidisciplinary program that explores the experiences, ideas, and interactions of people of African descent within the political, economic, and cultural history of the United States and on a transnational and global level. The minor helps students chart new and different directions of critical inquiry about the contributions of African descendants to the ongoing process of human development in the local and global contexts. Through a variety of coursework and community involvement, AADS minors will have the motivation and technical skills to contribute to a more just and humane society.

Students with a minor in AADS will be prepared to pursue many and most professional careers. Some will enroll in graduate school in the areas of African American, Africana, or Diaspora Studies, literature, art, history, music, and sociology. Others will choose to excel in professions related to the fields of law, public policy, medicine, business, public health, and international and community development.

Students declaring the AADS minor are required to meet with the Director of the African American and Diaspora Studies Program to formulate a suitable plan of study.

The Minor in African American and Diaspora Studies consists of eighteen (18) hours. For the minor, students are required to complete twelve (12) hours of specified courses and six (6) hours of courses in a specified concentration. The concentration may be taken from English, history, philosophy, psychology, music, or other disciplinary course offerings centered on African American and Diaspora Studies.

Any student may select one of the below courses to satisfy the University requirement in African American and Diaspora Studies. For the student who minors in AADS, the remaining courses are required to fulfill the Minor.

A grade of "C" or better must be earned in all courses taken in the minor. It is strongly suggested that each student with a minor in AADS have knowledge of a language other than English.

Required Courses

- AADS 2000 - Introduction to African American History and Culture
- AADS 2010 - Introduction to African American Social Sciences
- AADS 3020 - Special Topics in African American and Diaspora Studies
- AADS 3370 - African Americans, Africa, and Pan Africanism

Afro Latin American and Caribbean Studies

The Afro Latin and Caribbean Studies (ALCS) minor is a curriculum that focuses on Black Latin Americans, their history, influence, and contributions in numerous intellectual and cultural endeavors. This little known, highly marginalized society of Afro Latin Americans forms virtually one-third of the population of Latin America and has served as the great labor force and cultural contributors to their communities and their countries; yet they are the forgotten, ignored, and isolated peoples of Latin America and the Caribbean.

The ALCS minor is designed in part to counter the lack of awareness and often deliberate neglect of African historical, cultural, artistic, linguistic and economic contributions to both the Western Hemisphere and many of the older European civilizations. The courses listed in the curriculum below include the study of the Diaspora and its multilingual and multicultural manifestations in Spanish, French, Portuguese, English, and the various Creole languages and heritages that evolved as a result of the establishment of communities of color from the beginning of the colonies in the Americas.

In order to fulfill the requirements of the minor, students must take 6 hours of required courses, 6 hours of Languages courses, and 6 hours of interdisciplinary courses.

Required

ALCS minors must take 6 hours of the following required courses.

- ALCS 1050 - Exploration of Afro Latin America and Caribbean Studies

- ALCS 2030 - Introduction to the Afro-Francophone World
  or
- ALCS 2050 - Readings on Afro Latin America and the Caribbean

Language

ALCS minors are required to take 6 hours of the following Language courses.

- ALCS 3015 - Afro Latin America and Caribbean Culture and Readings
- ALCS 3021 - Readings in Francophone Culture
- ALCS 3022 - Afro Francophone Women Writers
- ALCS 4010 - Littérature Africaine Francophone (The Literature of French-Speaking Africa and the Caribbean)
- ALCS 4020 - Afro Hispanic Studies
- ALCS 4025 - Afro Latin American Oral Traditions
- ALCS 4030 - Afro Latin American Culture and Civilization
- ALCS 4035 - Representations of Black Africans in Hispanic Literature

Interdisciplinary

ALCS minors are required to take 6 hours of the following interdisciplinary courses.

- AADS 3020 - Special Topics in African American and Diaspora Studies
- AADS 3370 - African Americans, Africa, and Pan Africanism
- ENGL 3185 - Special Topics in African American Literature
- ENGL 3275 - The Postcolonial Novel
- ENGL 3400 - Critical Theory
- HIST 2700 - Introduction to Latin American History
- HIST 3675 - The Black Atlantic World
- HIST 3700 - Caribbean History and Roots
- HIST 3800 - Race in the Americas
- PSCI 4640 - The Politics of Developing Nations
- SOCI 2060 - Race and Ethnic Relations
- WMST 1030 - Introduction to Women's Studies

Bioethics

Bioethics is the study of the ethical dimensions inherent in medical and scientific research, the delivery and practice of health care, and the creation of national and global health policy. In addition to normative analysis, the study of these important topics requires critical examination of the philosophical and theological underpinnings, social and political

context, and cultural variables that shape and transform medicine and the life sciences. For this reason, Bioethics is an interdisciplinary field that brings different methodological and conceptual analyses to a core set of concerns that includes: the doctor-patient relationship, the allocation of scarce medical resources, the relationship between human beings and the natural environment, scientific and medical experimentation, access to healthcare, assisted dying and end-of-life care, genetic engineering and enhancement, and advances in biotechnology, genetics, and neuroscience.

Required Courses

The minor consists of 1) the interdisciplinary "Introduction to Bioethics" course, 2) one eligible course in Biology or Public Health, 3) one eligible course addressing social and cultural issues, 4) two eligible courses in philosophical and theological ethics, and 5) Advanced Bioethics (three credit hours). The Minor requires 18 total credit hours, and students may not count the same course toward their major and their minor. Students must earn at least a "C" in the class in order for it to count toward the minor.

Category 1

- PHIL 2070 - Introduction to Bioethics

Category 2 (select one course)

- BIOL 1050 - Environmental Biology
- BIOL 3210 - Ecology
- BIOL 2000 - Biodiversity
- PHLT 1001 - Introduction to Public Health

Category 3 (select one course)

- CMST 1080 - Health Communication
- PHIL 3250 - Philosophy of Science
- PSYC 2050 - Health Psychology
- SOCI 3011 - Global Social Change
- SOCI 3070 - Medical Sociology

Category 4 (select two courses)

- PHIL 2400 - Health Ethics
- PHIL 2045 - Ethics: General Principles
- PHIL 3400 - Ethical Conduct in Scientific Research
- THEO 2500 - Theological Ethics
- THEO 2550 - Environmental Issues in Christian Perspective

Category 5

- Advanced Bioethics

Digital Humanities

This is an 18 hour minor in digital humanities which consists of one introductory course (1000 level), two skills courses (2000 level) and three applied courses (3000-4000 level). The minor planning team has defined the vision of the minor as grounded in data science and social justice. It is designed to teach students the skills of the humanities: critical thinking, persuasive communication, and engagement with humanist subject matter. Students will learn technical tools for humanistic inquiry and that technologies are not neutral but are developed out of social and political contexts and assumptions. This minor offers students a unique opportunity to learn the habits of thought offered through humanities with an emphasis on digital tools used frequently in business and industry. CAS will become a leader in preparing students with the emerging skills required to work in 21st century cultural organizations.

FOUNDATIONS (3 hours)

Choose one of the following courses:

- DGHU 1000 - Introduction to Digital Humanities I
- DGHU 1010 - Introduction to Digital Humanities II

SKILLS (6 hours)

Choose two of the following courses:

- DGHU 1080 - Introduction to World Music
- DGHU 2000 - Topics in Social Justice for the Humanities
- DGHU 2010 - Explorations in Data Science for Humanities
- DGHU 2080 - Pursuit of Innovation

APPLICATIONS (9 hours)

Choose three of the following courses:

- DGHU 3385 - Civil Rights Movement in the United States
- DGHU 3040 - Digital Narratives of Resistance and Black Joy
- DGHU 3080 - Ethics at the End of Life
- DGHU 3450 - Digital Literature
- DGHU 4000 - Special Topics in Digital Humanities

Women's Studies

The Women's Studies Minor is offered under the coordination of the Women's Studies Coordinator. The interdisciplinary approach of the Women's Studies Minor is designed to assist the student to develop a comprehensive body of knowledge that critically analyzes the gendering process from a multidisciplinary perspective, illuminated via themes drawn from the humanities, languages, and the social sciences.

The Minor consists of eighteen (18) credit hours, six of which are required credits in the courses listed in **Group A** and twelve are elective credits to be taken from the list shown in **Group B**.

Required Courses

Group A:

For a minor in Women's Studies, a student is required to complete the following two courses:

- WMST 1030 - Introduction to Women's Studies
- WMST 3990 - Feminist Theory

Group B:

For a minor in Women's Studies, **four** elective courses are to be selected from among the following cross-listed courses. **Two courses must be at the 3000 or 4000 level. At least two courses must be outside of the student's major discipline**. For any other course to substitute for one of the courses listed below, prior written approval of the Women's Studies Director is required.

- WMST 1500 - Women in World History
- WMST 2040 - Sociology of Gender
- WMST 2240 - Politics of Gender and Sexuality
- WMST 2600 - Women in Religion
- WMST 3010 - Women in International Contexts
- WMST 3022 - Afro-Francophone Women Writers
- WMST 3035 - Psychology of Gender
- WMST 3080 - Gender and Communication
- WMST 3125 - Twentieth Century Women Writers
- WMST 3333 - Women and Media
- WMST 3390 - African-American Women's History
- WMST 3400 - Dimensions in Women's Health
- WMST 4015 - Spanish American Women Writers
- WMST 4016 - Women Writers of Spain
- WMST 4080 - Race, Class and Gender Inequality

Pre-Professional Support

Xavier is committed to providing support for students who aspire to enter and succeed in graduate and professional schools after they leave XULA. To this end Xavier provides each student an academic advisor in his/her major area, pre-professional advisors in Pre-Engineering, Pre-Law, Pre-Medicine/Pre-Dentistry, and Pre-Pharmacy, and comprehensive programs designed to help facilitate a student's entry into post-graduate study. Xavier's success in placing students into these programs is a direct result of the distribution of the advising process and the close cooperation of all advisory programs.

Engineering Professions

Pre-Engineering is coordinated by the Director of Dual Degree Engineering Programs. The Director provides information and advice concerning engineering school admissions and coordinates Xavier's Dual Degree Engineering programs.

Dual Degree Engineering Programs

The Xavier University Dual Degree Engineering Program is designed to provide a solid academic background in the sciences and mathematics that are essential to persons who are interested in becoming engineers. At Xavier, students

take three years of basic science, mathematics, engineering, and liberal arts courses. The Dual Degree Engineering curriculum consists of a number of curriculum options. For more information about these options, students should consult with the Director of Dual Degree Engineering Programs. When the three-year program is completed successfully, students transfer to an Engineering School to complete training in a specialized area of engineering. It is expected that students will, with normal course loads, be able to complete their undergraduate training in two years at the Engineering School. Xavier has current agreements with the following Engineering Schools: Georgia Institute of Technology, Tulane University, North Carolina A&T State University, University of Notre Dame, and the University of New Orleans. These agreements do not, however, preclude students from choosing to attend other Engineering Schools.

Students in the Dual Degree Engineering Program should submit the application for a degree from Xavier at least one semester prior to their graduation from the Engineering school. In instances where the engineering degree program is not completed, Xavier will, upon petition by the individual student, evaluate this student's total academic record for consideration of this student's eligibility for a B.A. or B.S. Degree in Physics, Biology, Computer Science, or Chemistry from Xavier.

The objectives of the Dual Degree Engineering Program (DDEP) are to:

1. Provide all students admitted to the program with the counseling, academic, and other support services that will maximize their opportunity for completion of the first three years of the program;
2. Offer a curriculum that will provide students with the optimum set of courses essential to the pursuit of a variety of engineering programs they might choose upon entry into an Engineering School;
3. Provide the academic preparation in essential engineering background courses to ensure that students will be maximally prepared to successfully complete the last two years of the dual degree program at the engineering school of their choice; and
4. Assist students in the identification of financial assistance (e.g., scholarships, internships, etc.) during their matriculation at Xavier and during their transition to engineering school.

Law Profession

The Political Science Department provides Pre-Law Advising to all interested students regarding:

- Course selection, potential minors, internships, course electives and summer study programs to enhance a student's chances for law school admission; and
- The law school application process, including: the Law School Admission Test (LSAT) preparation strategies; Law School Data Assembly Service (LSDAS) procedure; law school selection; application preparation; law school visitation and financial aid information.

In addition, the Pre-Law Advisor works in conjunction with the GradStar Program to assist students in preparing for law school.

In its Pre-Law Handbook, the Law School Admissions Council recommends no particular undergraduate program as the ideal preparation for law school. Any undergraduate program which encourages the development of skills in reasoning, critical reading, writing, and oral communication provides an excellent background for law school.

The Pre-Law Advisor does, however, suggest specific courses which prelaw students may find helpful. Thus, it is recommended that a student use his/her Core Curriculum requirements, minor, and free electives to take courses. Pre-Law students eligible for honors English and History courses are strongly advised to take advantage of these opportunities. For course selections, students should consult the Pre-Law advisor and the Academic Advisor.

Premedical Program

Xavier's Premedical Program is designed to help qualified students gain entry into and succeed in medical school, dental school, veterinary school, optometry school, podiatry school, and other types of health professions schools (with the exception of pharmacy). The Program is designed to complement, not supplant, support provided by academic advisors within the student's major department. The Premedical Program provides a variety of information, motivational activities, advice, and individual assistance throughout a student's enrollment at the University. The Program begins with a series of group workshops, known as the Biomedical Honor Corps, for freshman and transfer premed students during their first year at Xavier. In subsequent years, group activities gradually decrease and are replaced by an increasing number of one-on-one advising sessions, step-by-step assistance in preparing applications for summer programs and/or health professions schools, and assistance in preparing for the entrance exams required for admission into health professions schools. Xavier students (regardless of major) who hope to enter medical and other types of health professional schools are encouraged to sign-in with the Premedical Office during their first Xavier registration. After doing so, students receive weekly premed advising emails and are encouraged to participate in premed advising activities that are designed to maximize competitiveness for admission into health professions schools. Students are encouraged to proactively engage in the advising activities conducted by the Premedical Office throughout their enrollment at the University.

Pre-Health Professions Coursework

Students interested in pursuing careers in the health professions, which include but are not limited to dentistry, medicine, optometry, osteopathic medicine, podiatric medicine, and veterinary medicine, are not required to major in Biology, Chemistry, Psychology, or any other academic discipline. Perspective on choosing a college major for students interested in health careers is available here.

The information below is only an overview of pre-health professions requirements. Students interested in enrolling in health professions schools should express this intention to their academic advisors and the Premedical Office during their first Xavier registration. Those interested in pharmacy should contact Xavier University's Chemistry Pre-Pharmacy Advisor.

Basic Requirements: Typically, medical, osteopathic medical, dental, veterinary, optometry, podiatry school, and some other types of health professions schools require one year of:

- General Biology with laboratory,
- General Chemistry with laboratory,

<u>Additional required coursework usually consists of:</u>

- Organic Chemistry with laboratory,
- General Physics with laboratory,
- Biochemistry (required by some schools),
- College Mathematics, (a statistics course is required by some schools), and
- English Composition at the college level.

In addition to the basic course requirements listed above, there may be additional courses that are required by individual health professions schools. Students should also be aware that health professions schools may (or may not) accept required courses that are completed online, at a community college, or through Advanced Placement (AP), even if such courses are accepted as transfer credit by Xavier University. Therefore, it is imperative that students regularly review the requirements for each of the health professions schools to which they plan to apply.

Although calculus may be required for some degrees at Xavier, it is generally not required for admission into health professions schools. A number of health professions schools, however, do require a course in statistics; additionally, entrance exams like the Medical College Admission Test (MCAT) list statistics as a necessary competency. Again, it is imperative that students regularly review school-specific (and entrance exam-specific) requirements to ensure that all requirements are satisfied in a timely fashion.

Some health professions schools may also require/recommend one or more advanced courses in science, one or more courses in the social sciences, or specialized courses such as General Zoology (for veterinary school), Optics (optometry school), or a ceramics or sculpture course to help cultivate manual dexterity skills (for dental school). Students interested in applying to medical, dental, and other health professions schools should refer to up-to-date publications that provide detailed information regarding entry requirements for individual medical, dental, etc. schools [e.g. Medical School Admissions Requirements (MSAR), the official online resource made available by the Association of American Medical Colleges (AAMC); ADEA Official Guide to Dental Schools, the official book published by the American Dental Education Association (ADEA), etc.].

Additional Courses Recommended: It is strongly recommended that students interested in the health professions consider taking at least two (2) of the following advanced biology courses while at Xavier:

- BIOL 4091 Comparative Vertebrate Anatomy and BIOL 4091L Comparative Vertebrate Anatomy Laboratory ,
- BIOL 3162 Developmental Biology and BIOL 3162L Developmental Biology Laboratory ,
- BIOL 4111 Histology and BIOL 4111L Histology Laboratory, and
- BIOL 3350 Anatomy and Physiology and BIOL 3350L Anatomy and Physiology Laboratory.

Health Professions Schools Entrance Exams: It is strongly recommended that students interested in the health professions carefully review the entrance exam requirements for the schools to which they plan to apply. Further, students should regularly review the ever-changing content and competencies of entrance exams such as the Medical College Admission Test (MCAT), Dental Admission Test (DAT), Optometry Admission Test (OAT), Graduate Record Exam (GRE), etc. to ensure that they complete the necessary courses prior to taking these entrance exams at the end of junior year (which is highly recommended for application to most health professions schools).

Recommended Scheduling of Science Courses: The Departments of Biology, Chemistry, and Psychology have special degree programs for students interested in the health professions. Students in those departments should follow their department's program of study designated as "Premedical" or "Pre-professional." Please note that students in the program get a degree in the subject area, i.e., in Biology, Chemistry, or Psychology, not in "Premed."

Students interested in medicine, dentistry, or other health professions who major in disciplines other than Biology, Chemistry, or Premedical Psychology can use the schedule of courses outlined in the following curriculum to prepare their semester-by-semester course plans at Xavier:

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- MATH 1030 - Pre-Calculus

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory

- MATH 1020 - Basic Statistics I

  or
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory

Junior Year

First Semester

- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- BIOL 3110 - Genetics

Second Semester

- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- CHEM 3130 - Introduction to Biochemistry

Early Summer

- Take MCAT, DAT, etc., AND Apply to Medical, Dental, or Other Professional School

Senior Year

First Semester

- BIOL 3162 - Developmental Biology
- BIOL 3162L - Developmental Biology Laboratory

  or
- BIOL 3350 - Anatomy and Physiology
- BIOL 3350L - Anatomy and Physiology Laboratory

  or
- BIOL 4111 - Histology
- BIOL 4111L - Histology Laboratory

or

- BIOL 4091 - Comparative Vertebrate Anatomy
- BIOL 4091L - Comparative Vertebrate Anatomy Laboratory

Second Semester

- BIOL 3162 - Developmental Biology
- BIOL 3162L - Developmental Biology Laboratory

or

- BIOL 3350 - Anatomy and Physiology
- BIOL 3350L - Anatomy and Physiology Laboratory

or

- BIOL 4111 - Histology
- BIOL 4111L - Histology Laboratory

or

- BIOL 4091 - Comparative Vertebrate Anatomy
- BIOL 4091L - Comparative Vertebrate Anatomy Laboratory

* NOTE

This is a general schedule of courses for students interested in applying to medical, dental, and other types of health professions school but who are not enrolled in Biology Pre-Medical, B.S., Chemistry (Pre-Professional), B.S., or Premedical Psychology, B.S. Please be mindful of any pre-requisites for the courses listed above. Depending on the type of health professions school you plan to apply to and the specific entrance exam you plan on taking (e.g. MCAT, DAT, OAT, GRE), there may be additional required (or recommended) coursework. It is imperative that you review the admission requirements for the specific medical, dental, or other type of health professions school that you are interested in applying to in order to ensure that you are satisfying ALL coursework requirements. Further, you should review the content areas for the entrance exam you plan to take for health professions school to ensure that you have an adequate foundation to begin formal entrance exam preparation. Students who plan to apply to medical, dental, or another type of health professions school are encouraged to sign-in with the Premedical Office during their first Xavier registration.

Early Medical School Acceptance and Other Partnership Programs

The following health professions schools currently have special partnerships with Xavier University of Louisiana:

- Tulane University Medical School Early Assurance Program
- University of Rochester Medical School Early Assurance Program
- St. Louis University Medical School Pre-Medical Scholars Program for Early Acceptance
- Geisel School of Medicine at Dartmouth Early Assurance Program
- University of South Alabama College of Medicine SouthMed Prep Scholars Program
- Michigan State University College of Human Medicine Mission SMART Initiative
- Pennsylvania State University College of Medicine Early Assurance Program
- Rush University College of Nursing Preferential Admission Program
- University of Southern California Doctor of Physical Therapy Program

Program descriptions are available here.

All partnership programs with health professions schools are discussed in detail during the Biomedical Honor Corps Meetings (for all new freshman and transfer premed students at Xavier) and during one-on-one premed assessment meetings which are held at strategic times during the freshman, sophomore, junior, and senior years. There are very specific major, GPA, and coursework requirements that must be met by specific deadlines to be eligible for these programs. As a result, students are encouraged to begin familiarizing themselves with and satisfying the requirements starting in the fall semester of the freshman year. Engagement in advising activities conducted by the Premedical Office is one of several factors that premed advisors consider when reviewing students for partnership program endorsement.

Special note about early acceptance and other special admission programs: The special partnership programs detailed above are not the only such "assured acceptance" programs that may be available to undergraduate students. Students should inquire with other medical, dental, and other health professions schools of interest about special opportunities that may be available. Examples of such programs include: FlexMed early assurance program at Icahn School of Medicine at Mount Sinai (New York, NY); MedStart early admission program at University of Toledo College of Medicine; Zucker Pipeline Program at Zucker School of Medicine in Hempstead, NY; and U of Pittsburgh School of Medicine Summer Premedical Academic Enrichment Program.

Special Scholarship Opportunities for XU Premeds

- JW Carmichael, Jr Pre-Medical Scholarship
- Ochsner Health System Medical School Scholarship for LSU School of Medicine in Shreveport

Prepharmacy Program

The Prepharmacy curriculum offered through the College of Arts and Sciences' Chemistry Department prepares students for pharmacy school. Students wishing to pursue a Doctor of Pharmacy (PharmD) degree through Xavier's College of Pharmacy must complete 61 credit hours of the Chemistry Prepharmacy curriculum, as specified, prior to being admitted to the PharmD program. Students interested in pursuing a Doctor of Pharmacy degree at another institution are also advised to follow the Chemistry Prepharmacy curriculum while at Xavier.

Students choosing to follow the Chemistry-Prepharmacy curriculum work closely with advisors in the Chemistry Department. The curriculum is designed specifically to conform to prerequisite course requirements for Xavier's Doctor of Pharmacy program, but students interested in other Doctor of Pharmacy programs may also follow this curriculum.

Basic Requirements: Most pharmacy schools require the following as prerequisites for admission:

- one year of general chemistry
- one year of organic chemistry
- one year of general biology
- one semester of microbiology or anatomy and physiology (or both)
- one semester of physics
- one semester of calculus
- one semester of biostatistics
- one or two semesters of English composition
- one semester of economics
- one semester of public speaking
- one semester of social science

For those students following this course of study who may opt to not pursue an advanced degree in Pharmacy, the four-year curriculum provides preparation for other careers or advanced study requiring significant background in Chemistry. Students choosing to complete the full four-year program should work closely with their academic advisor in choosing elective courses.

Students interested in entering Xavier's Doctor of Pharmacy Program must complete the courses listed in the link below. Students majoring in areas other than Chemistry who wish to apply to Xavier's PharmD program should work closely with their academic advisor in choosing courses to satisfy the requirements of their major program while completing courses required for admission to the Xavier College of Pharmacy.

Freshman Year

*Students enrolled in Xavier's Chemistry Pre-Pharmacy Program as freshmen must also earn credit for College Experience (XCOR 1000) and Xavier Experience/New Orleans Experience (XCOR 1011/XCOR 1012).

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

- ENGL 1000 - Intensive English Composition and Rhetoric (College Writing)
  or
- ENGL 1010 - English Composition and Rhetoric (College Writing)

- XCOR 1000 - College Experience *
- MATH 1030 - Pre-Calculus

- PSYC 1010 - Introductory Psychology
  or
- SOCI 1010 - Introduction to Sociology

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- MATH 1070 - Introductory Calculus

- XCOR 1011 - Xavier Experience *
  or
- XCOR 1012 - New Orleans Experience *

Semester Hours: 18

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I

- CHEM 2230L - Organic Chemistry I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CMST 1010 - Fundamentals of Public Speaking
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory

Semester Hours: 15

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2015L - General Microbiology Laboratory (Pre-Pharmacy)
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill
- PHIL 2400 - Health Ethics
- Theology (any 3 cr THEO course)

Semester Hours: 17

ROTC Programs

Xavier students may participate in ROTC at Xavier through a joint agreement with Tulane University. Students register for ROTC courses at Xavier and usually pursue these courses at Tulane or other local campuses. Students may enroll in the Air Force, Army, or Navy ROTC programs at Tulane. Through these programs, it is possible for the student to earn an appointment as a commissioned officer while working for a degree at Xavier. For more information, contact the appropriate ROTC program office at Tulane University.

Special Programs: DILLARD/LOYOLA/NOTRE DAME SEMINARY/TULANE/XAVIER PARTNERSHIP

The Dillard/Loyola/Notre Dame Seminary/Tulane/Xavier Partnership is a cooperative arrangement among the named Universities. Among other opportunities, the arrangement allows Xavier students to take courses at the other institutions while paying Xavier tuition for all courses taken.

Under the cross-registration agreement, a full-time Xavier student may, with the permission of his/her chair, register for a maximum of six total hours at member institutions of the consortium. Full-time status is determined by adding the number of hours of Xavier courses and those taken at member institutions. However, at least nine hours must be taken at Xavier. The agreement also applies to evening divisions at Tulane and Loyola.

Consortium credits will be treated as Xavier courses, and students will receive letter grades on their transcripts. This agreement is only valid during Fall and Spring semesters.

Career Services

The mission of the Office of Career Services is to provide opportunities that assist students in exploring career options through job search preparation and experiential learning. The office aims to help students become well informed and well prepared to make rewarding career decisions. Services are available to all students of any classification and major.

The staff of the Office of Career Services works with students to help identify and successfully develop a career path that is in alignment with their skills, values and interests. Through one-on-one sessions or workshops students can learn more about themselves and the career development process. Students receive assistance with resume construction, mock interviews, self-assessments, and personal brand development in addition to various programs and workshops relating to all aspects of the job search process. Some Career Services staff serve as Embedded Career Advisors whose offices are in academic buildings to ensure that staff members are available to students across campus.

Xavier offers a variety of ways for students to obtain pre-professional experience prior to graduation. These include job shadowing, externship, and internship experiences. Job shadowing provides students with a short-term experience where they do not have specific responsibilities, but observe the work day in a professional work environment. Externships are also short-term experiences where students have specific supervised responsibilities. An internship is a supervised work experience usually related to a student's field of study, for which the student may or may not earn academic credit. A summer internship usually lasts from 10-12 weeks. Students are strongly encouraged to complete at least one internship during their matriculation to become marketable to employers and/or graduate/professional schools.

Center for Intercultural and International Programs

The Xavier Center for Intercultural and International Programs (CIIP) is Xavier's official platform to facilitate or conduct international education, including the following five major areas of services:

1. Promote global awareness on campus;
2. Administer the study abroad program;
3. Support faculty development in the area of international education;
4. Administer the international student and scholar visa programs; and
5. Administer the student exchange program with colleges and universities in the United States and abroad. Currently, Xavier has student exchange agreements with the following institutions in the U.S.: Baylor University, New York University, University of California San Diego and University of the Virgin Islands. For international partners, we have agreements with: Hebei University of China, London South Bank University, American Business School in Paris, University of Alicante in Spain, and University of the Antilles, Martinique and Guadeloupe.

Students interested in incorporating a study abroad experience or a domestic exchange into their academic career at Xavier are encouraged to visit the Office of the Center for Intercultural and International Programs in St. Joseph Academic and Health Center 312 and their website: http://www.xula.edu/international. The CIIP office can also be reached via (504) 520-5491, or kwlee@xula.edu and yjiang@xula.edu.

Center for Undergraduate Research and Graduate Opportunity

The Center for Undergraduate Research and Graduate Opportunity (CURGO) supports undergraduate research, and obtaining an advanced degree through resources such as intramural research grants, professional development seminars, inspirational guest speakers, and graduate school advising. Programs such as Getting Ready for Advanced

Degrees **(GRAD)Star**, and **The Ronald E. McNair Post-Baccalaureate Achievement Program** provide a structured pathway of increasing the number of underrepresented populations pursuing advanced degrees beyond the baccalaureate.

The **GRADStar** program is an undergraduate research initiative that encourages students through early research experiences to pursue an advanced degree by:

1. Introducing the concept of graduate school,
2. Support finding summer research opportunities,
3. Developing CVs, personal statements, research statements, and
4. Creating a pipeline to other nationallysponsored programs whose goals are to increase minorities obtaining advanced degrees.

The **Ronald E. McNair Postbaccalaureate Achievement Program** is a U.S. Department of Education sponsored initiative that prepares first generation, low-income, and/or underrepresented minority students to obtain a Ph.D. McNair Scholars participate in monthly
graduate school development seminars, visit graduate programs, conduct summer research, and present their findings at conferences.

CURGO implements Xavier's goal of supporting undergraduate research and the pursuit of an advanced degree by hosting four major events. In the Fall, the **Research Scholar Showcase** is an exhibit of Xavier's undergraduate research presentations followed by a graduate school recruitment fair, **Grad Fair**. Grad Fair host over fifty recruiters from some of the nation's top graduate school programs. Spring brings the two-day **Festival of Scholars** event which is a university wide exhibit of research and creative works where students present their works in various platforms such as oral, poster, or performance pieces. Over the summer, the **Summer Research Symposiums** is a capstone event celebrating summer research conducted on Xavier's campus.

For more information about CURGO visit: https://www.xula.edu/aboutcurgo.

Center for Continuing Studies and Distance Education

The Center for Continuing Studies and Distance Education supports the mission of Xavier University of Louisiana by providing access to educational and professional programming to students of all ages and across all career stages. This access is made possible via partnerships with campus, community and industry leaders.

Because the Center for Continuing Studies and Distance Education is committed to Xavier's mission of creating a more just and humane society we value:

- An accessible, inclusive and respectful environment for working and learning;
- Excellent service to everyone, especially our students;
- Bringing together communities within and outside of the University;
- Offering diverse programming and services on a local and global scale;
- Integrity at all levels while maintaining academic excellence; and
- Taking advantage of opportunities while managing resources responsibly.

For more information visit: http://www.xula.edu/ccsde/

Confucius Institute

Winner of the 2016 Global Confucius Institute of the Year and the 2018 Person of the Year Awards, the Xavier Confucius Institute is internationally recognized as one of the top Chinese learning centers in the Southern United States.

The Xavier Confucius Institute was established in 2012, through a partnership with the Confucius Institute Headquarters and Hebei University, a major university near Beijing. The Confucius Institute is part of a network of over 500 such Institutes worldwide. Named after Confucius (551-479 BC), the most prominent educator and philosopher of early China, the Institute aims to teach Xavier students courses in Mandarin Chinese as well as sponsor workshops and programs that highlight Chinese culture and business practices. The Institute also reaches out to the community through a variety of festivals and audience-centered presentations.

As the first Confucius Institute among the nation's more than 100 HBCUs and in Louisiana, the Institute has enjoyed steady increases in Mandarin enrollment on campus and in the community, hosted frequent faculty and student exchanges with Chinese universities, and received extensive coverage from the mainstream media. The Institute also organizes the travel for up to 20 students to China in the summer in order to learn Mandarin Chinese in an intensive setting and gain more exposure to Chinese culture. While in China, costs of group activities, including food, hotel, admissions, and ground transportation are free of charge to Xavier students.

Interested students are encouraged to visit the Confucius Institute office in Administration Annex 201, or visit http://www.xula.edu/confucius. The office can also be reached via (504) 520-7237, or confucius@xula.edu.

Speech and Hearing Center

The Xavier Speech and Hearing Center, which is operated in conjunction with the Speech Pathology academic program, offers evaluations and/or treatment for a variety of speech-language-hearing disorders. Individuals across the age continuum (preschool through adulthood) are evaluated and treated. Xavier instructors may also refer any student who appears to have a speech-language-hearing problem to the Xavier center for evaluation. Xavier students, faculty, and staff members may seek services at the Center free of charge. For more information regarding services, please contact the clinic at (504) 520-5087.

Service Learning

Service Learning is a teaching and learning method that connects meaningful community service with academic learning, personal growth, community involvement, and civic responsibility. It is a method by which students can learn and develop through active participation in thoughtfully organized service experiences connected with an academic course. Coupling service with other teaching methods can transform a course, and deepen students' understanding of course themes and achievement of course objectives.

Through Service Learning, students not only have an opportunity to learn academic concepts and skills, they begin to understand the relevance of those concepts and skills in the real world, contribute to efforts that strengthen communities, and positively impact peoples' lives by building capacity and addressing immediate and long-term issues identified by the local community. This strategy prepares students to fulfill the mission of Xavier by broadening their understanding of the complexities of social injustice and developing their leadership skills to contribute to the promotion of a more just and humane society.

There are opportunities for participation in Service Learning across disciplines and university departments. Service Learning is a joint effort between the Offices of Student Affairs and Academic Affairs.

Honors Programs and Awards

The Dean's Honor Roll

A student who earns at least 12 hours of degree credit in a semester with a grade-point average of at least 3.3 with no grades of F, U or I is entitled to placement on the dean's honor roll for that semester. Members of the honor roll will be published in University publications and released to the news media unless a student has a written request on file in the Office of the Registrar not to have his or her name used.

Graduation Honors

A candidate with a cumulative average of at least 3.3 graduates **cum laude**; one whose average is at least 3.6 graduates **magna cum laude**; one whose average is 3.8 or higher graduates **summa cum laude**.

Students may also receive honors recognition at graduation in Biology, Business, Chemistry, Computer Information Systems, Computer Science, English, History, Mathematics, Music Theory, Philosophy, Sociology, Theology, and Women's Studies by satisfying certain departmental or programs requirements.

Honors in Biology - Each spring the department will select a limited number of students for possible graduation with Honors in Biology. Students who achieve this distinction will have maintained at least a 3.50 grade point average in biology and 3.30 grade point average overall, with no grade of "C" or lower in any biology course, throughout their undergraduate careers. Biology and Biology Premed majors who satisfy these minimum requirements will be selected at the end of their junior year. Selected students will be required to register for BIOL 4230 Biology Capstone during their senior year. Students will be dropped from the program if they fail to continue to meet the academic requirements given above.

Honors in Business - Students either majoring or minoring in any academic program in the Division of Business qualify for the distinction of Honors in Business by having an overall GPA of at least 3.3 and earning a minimum of 18 hours in business taken at Xavier. In addition, majors must earn a GPA of at least a 3.5 in their concentration courses, and minors must earn a GPA of at least a 3.5 in their minor coursework.

Honors in Chemistry - Students majoring in chemistry qualify for the distinction Honors in Chemistry by completing their course of study with a 3.5 overall cumulative average and a 3.5 cumulative average in chemistry. Students who minor in chemistry must have a 3.5 overall average and a 3.7 average in their chemistry courses to earn this distinction. At least 18 hours of chemistry credits must be earned at Xavier.

Honors in Computer Information Systems - Computer Information Systems majors with (1) a 3.5 grade point average in all computer science and business courses accepted for credit, and (2) a cumulative 3.3 grade point average overall will earn the graduation distinction of Honors in Computer Information Systems. Students must meet the academic requirements throughout their tenure in the Physics and Computer Science Department.

Honors in Computer Science - Computer Science majors with (1) a 3.5 grade point average in all computer science and mathematics courses accepted for credit, and (2) a cumulative 3.3 grade point average overall will earn the graduation distinction of Honors in Computer Science. Students must meet the academic requirements throughout their tenure in the Physics and Computer Science Department.

Honors in Digital Humanities - To be awarded Honors, a student must (1) complete a minimum of 9 credit hours, (2) have a B or better in each course with a cumulative GPA (in digital humanities) of at least a 3.3, and (3) take a 1000 level and two upper level courses from among the list of 2000, 3000, 4000 level courses.

Honors in English - Upon receiving a grade of "C" or better in ENGL 1023H, the student will receive 3 semester hours of credit for ENGL 1010.

Students may receive Honors in English in four different ways.

1. For initial placement in the Honors in English program, students must meet criteria that include ACT or SAT scores and high school transcript. The English Department determines final placement. To receive an honors distinction in English, students so chosen must take ENGL 1023H and an additional 6 semester hours with any two English courses of their choice at the 2000, 3000, or 4000 levels, and receive a cumulative average of 3.0 or higher for all three courses (or their equivalent).
2. Students with Advanced Placement credit may take two more English courses at the 2000, 3000, or 4000 level. A cumulative average of 3.0 or higher in these two courses will earn them Honors in English.
3. A student who earns an "A" in ENGL 1010 may also qualify for the honors sequence. A student with credit in programs other than AP should consult the English department head for honors consideration.
4. Students need not be placed in the Freshman English Honors Sequence outlined above to qualify for Honors in English. Students majoring or minoring in English may also earn the honors distinction by completing their courses of study with a 3.5 cumulative average in English. At least eighteen semester hours of English must be earned at Xavier.

Students may use the AP or CLEP examinations as equivalencies for ENGL 1010 or ENGL 1020. Students must have taken the essay portion of the exam as well as the objective portion and must meet with the department head for advising no later than the last day of registration to determine from which course(s) they may be exempt.

Honors in History - Students selected by the placement process of the Admissions Office will be awarded Honors in History if they earn at least a "B" each in a 1000-level course with a designation of "H", any 2000-level course, and any 3000- or 4000-level course. Students may also take two 2000-level courses and one 3000-/4000-level course to fulfill the honors requirement, again provided they earn at least a "B" in each class. Other students may be considered for Honors in History with the approval of the Department Head.

Honors in Mathematics - For placement in the Honors in Mathematics Program, students should apply to the Mathematics Department. To receive the distinction Honors in Mathematics, students must satisfy one of the following two criteria:

1. Students must take MATH 1070H and MATH 2070H and at least four (4) additional hours of mathematics or statistics at the 2000 level or above. Examples of additional work that satisfy these requirements are MATH 2080 and STAT 2021. Students must receive a cumulative grade point average of 3.3 or higher in all mathematics and statistics courses taken with no grade of "C" or below.
2. Students must take MATH 1070 (or MATH 1070H) and MATH 2070, and at least six (6) additional hours of mathematics or statistics at the 2000 level or above. Students must receive a cumulative grade point average of 3.3 or higher in all mathematics and statistics courses taken with no grade of "C" or below.

Honors in Music Theory - Students who are eligible for this honor are music majors who have completed 20 hours in music theory with a minimum GPA in theory of 3.5 by the first half of the senior year. The student who elects to complete this program must apply to the department head who will review that student's record, give final approval for admission into the program, and assist the student in obtaining a faculty member to supervise the final project. In the final semester of the senior year, the student must register for MUST 4500H, complete one of the three honors theory projects prescribed for this course, and receive a pass endorsement from the theory faculty who will give the final evaluation of the student's project.

Honors in Philosophy - Students are eligible to graduate with an honors distinction in philosophy. To do so, the student must complete a minimum of three philosophy courses (9 credit hours) with an overall philosophy GPA of 3.3.

Honors in Public Health Sciences - In order to obtain Honors in Public Health Sciences, students majoring and minoring in Public Health Sciences must meet the following criteria:

1. A 3.5 GPA in Public Health Sciences courses for majors and minors, and
2. A 3.3 Overall GPA, and
3. A minimum of 18 hours in Public Health Sciences must be taken at Xavier

Honors in Sociology - Students with a cumulative GPA of at least 3.0 will graduate with an honors distinction in sociology by completing a minimum of any three sociology courses with a total of nine credit hours with a combined GPA in all sociology courses of 3.5 or higher. This distinction and its criterion of a 3.5 GPA in sociology applies to all

students, including students majoring and minoring in sociology. To be eligible, students must have an overall GPA of 3.0.

Honors in Theology - Students are eligible to graduate with an honors distinction in theology by completing a minimum of any three theology courses with a total of 9 credit hours and a grade of a "B" or higher in each of the courses.

Honors in Women's Studies - Students with a minor in women's studies may apply for an Honors in Women's Studies designation by meeting the following criteria in the Women's Studies Program:

1. A student must complete a minimum of 9 credit hours in the field;
2. A student must have at least a B in each course with a cumulative GPA (in women's studies) of at least a 3.3; and
3. A student must take a 1000 level and two upper level courses from among the list of 2000 and 3000 level courses. WMST 1030 and WMST 3990 are **strongly** recommended.

Xavier University Awards

Leadership Awards
THE SAINT KATHARINE DREXEL AWARD. A monetary award is made to the senior who, throughout his/her years at Xavier University, has shown the most outstanding spirit of cooperation in the varied interests of the University. Enrollment for at least three years at Xavier is a prerequisite. This award, in memory of Saint Katharine Drexel, Sister of the Blessed Sacrament, is in honor of the life of service and religious dedication of Xavier's foundress. This is the highest award given to a student by the University.

THE MOTHER M. AGATHA RYAN AWARD. A monetary award is made to a senior who during his/her years at Xavier University has shown a high appreciation for the spirit and standards of his/her Alma Mater through reverence, personal integrity, loyalty, service, and scholarship. Enrollment for at least three years at Xavier is a prerequisite. This award is in memory of Mother M. Agatha Ryan, Sister of the Blessed Sacrament and former president of Xavier University.

THE XAVIER UNIVERSITY SERVICE AWARDS. The X.U. Service Key is awarded to those seniors who deserve recognition and commendation for generous and loyal service in their cooperation with the University in its varied activities.

THE WILLIAM H. MITCHELL CHRISTIAN LEADERSHIP AWARD. A plaque is awarded to a senior who has been outstanding in scholarship and cooperation with the activities of the University.

THE VICTOR H. LABAT SERVICE AWARD. A plaque is awarded to a senior who has worked diligently for the general welfare of students and the University.

The National Council, Knights of Peter Claver Awards
THE GILBERT FAUSTINA AWARD. A monetary award is made to the senior who has demonstrated throughout his/her years at Xavier University exceptional leadership and organizing ability among fellow students. This award is in memory of the late Gilbert Faustina, first Supreme Knight of the Knights of Peter Claver.

THE LOUIS ISRAEL AWARD. A monetary award is made to the senior who throughout his/her years at Xavier University has shown an outstanding spirit of self-sacrifice in the service of his/her neighbor. This award is in memory of the late Louis Israel, second Supreme Knight of the Knights of Peter Claver.

THE ALPHONSE PIERRE AUGUSTE AWARD. A monetary award is made to the senior who throughout his/her years at Xavier University has given the finest exemplification of Christian social concern. This award is in memory of the late Alphonse Pierre Auguste, third Supreme Knight of the Knights of Peter Claver.

Awards in the College of Pharmacy

THE XAVIER UNIVERSITY COLLEGE OF PHARMACY BOWL OF HYGEIA AWARD FOR OUTSTANDING LEADERSHIP. The College of Pharmacy awards a custom-made rendition of the Bowl of Hygeia to the graduating student who has exemplified the highest standards of leadership, student advocacy and concern for the welfare and development of his fellow students and the advancement of the College and its programs.

THE XAVIER UNIVERSITY COLLEGE OF PHARMACY AWARD FOR ACADEMIC EXCELLENCE. A plaque is awarded to the graduating pharmacy student who has the highest cumulative average in the professional curriculum and has taken the equivalent of at least four semesters at Xavier.

Honor Societies

Alpha Epsilon Delta. AED is the international health pre-professional honor society with more than 150 chapters in the U.S. and Canada. The Louisiana Eta chapter at Xavier considers students for membership during the spring of each year provided that the student has completed at least 45 semester hours at Xavier and meets additional requirements that are listed on the AED page of the pre-medical website: http://www.xula.edu/premed/Special/AED.html.

Alpha Kappa Mu. This national society is a multi-discipline honor society that was established at Xavier in 1941 to:

- Promote scholarship;
- Encourage sincere and zealous endeavor in all fields of knowledge and service;
- Cultivate strong values in personal living; and
- Develop an appreciation for scholarship and scholarly endeavors in others.

Election to membership in Alpha Kappa Mu is limited to students of junior or senior status who have earned a minimum of thirty hours at Xavier with a cumulative grade point average of 3.3 or higher.

Beta Beta Beta Biological Honor Society. This national honor society is designed to stimulate interest, scholarly attainment, and investigation in the biological sciences, and to promote the dissemination of information and new interpretations among students of the life sciences. Eligibility for membership is restricted to undergraduate students who are in good academic standing with the University and have:

- Completed at least one semester of the sophomore year;
- Maintained a cumulative grade point average of 3.0 with no grade of "C" or lower in ANY biology course; and
- Achieved at least a 3.3 grade point average in three biological science courses, at least one of which is not an introductory course

Chi Sigma Iota. Chi Sigma Iota was established in 1985 as the international honor society for counselors-in-training, counselor educators, and professional counselors. Its mission is to promote scholarship, research, professionalism, leadership and excellence in counseling, and to recognize high attainment in the pursuit of academic and clinical excellence in the field of counseling. Candidates are eligible for membership in the society if they are enrolled in the graduate counseling program and have completed at least 12 hours of graduate credits. They must have maintained an overall grade point average of at least 3.5.

Delta Mu Delta. Delta Mu Delta is the International Honor Society for business programs accredited by ACBSP at the baccalaureate/graduate level. The Greek letters in the Society's name stand for Dia Mathessos Dynamis, signifying Delta Mu Delta's motto: Through Knowledge, Power, the power to manage creatively for social and economic good. Becoming a member of Delta Mu Delta is an honor indicative of earnest, intelligent purpose and rewarding achievement. To be eligible for membership, the academic ranking of those being considered must place them in the upper 20 percent or higher in their respective class in business: junior or senior.

Kappa Gamma Pi. Kappa Gamma Pi is a national Catholic College Graduate Honor Society. Xavier first became affiliated with the Society in 1941. Prospective members may be nominated upon receipt of either a baccalaureate or an

advanced degree. To be eligible, a student must have a 3.3 GPA accompanied by demonstration of outstanding service and leadership.

Kappa Delta Pi International Honor Society in Education. Kappa Delta Pi International Honor Society in Education fosters excellence in education and promotes fellowship among those dedicated to teaching. Students who are eligible for this honor are 1) undergraduate teacher education majors with no less than 30 semester hours earned prior to initiation, at least 12 hours in professional education courses, and a 3.0 GPA; and 2) graduate education majors who have completed at least 6 semester hours of graduate work at Xavier, have at least 12 hours of professional education courses, and a 3.25 GPA. All candidates who qualify must also be recommended by at least two faculty members in the Division of Education and Counseling.

Kappa Phi Kappa Honor Fraternity. Kappa Phi Kappa is a national professional fraternity in education devoted to the professional development of its members. The Gamma Eta Chapter was reactivated at Xavier in 1994. Kappa Phi Kappa's intent is to recognize and bring together those individuals who are making significant contributions to the field of education, or who show promise of providing outstanding leadership in education. The purpose of the fraternity is to develop and foster in interested persons a systematic study of educational issues. To qualify for membership a student in the initial program must have a 3.5 GPA; and a student in the advanced program must have a GPA of 4.0. Students fulfilling the requirements receive a written invitation for membership.

Phi Alpha Delta Law Fraternity International. Phi Alpha Delta (PAD) is an international association organized to promote competency and achievement within the legal profession through developing and upholding the highest standards of professional ethics. Xavier's chapter is part of a 114,000 member worldwide network of attorneys, judges, educators, and students. Membership in PAD qualifies students for participation in a wide array of professional programs, reception of quality reading materials, LSAT study guides and law school information, valuable contacts, and, career planning assistance. Locally, the Xavier PAD chapter is active in promoting community service, law-related speakers and forums, law school application seminars, and networking with local legal professionals. Membership is open to students of any major who are considering law as their career choice.

Phi Alpha Theta. Xavier University's Alpha Mu Pi chapter of Phi Alpha Theta, the national History Honor Society, was founded in 2006. The mission of the society is "to promote the study of history through the encouragement of research, good teaching, publication and the exchange of learning and ideas among historians." Membership (not limited to history majors) is open to any Xavier undergraduate in good standing who has completed the following requirements:

- At least 12 semester hours in history, with a minimum GPA average of 3.1 in these courses (these 12 hours may include up to 3 hours of transfer credit, online course credit, either from Xavier or as transfer, may not be counted towards fulfillment of the requirement);
- An overall GPA of 3.0 or better; and
- Be in the top 35% of his or her class.

Phi Lambda Sigma Pharmacy Leadership Society. Phi Lambda Sigma has as its purpose the promotion of leadership qualities among pharmacy students. The society selects its members by peer recognition using the criteria of demonstration of dedication, service and leadership in the advancement of pharmacy. Eligibility requirements include high moral and ethical character, successful completion of at least one year of the professional curriculum and a cumulative College of Pharmacy grade point average of at least 2.5

Phi Lambda Upsilon National Chemistry Honor Society. The Beta Xi chapter at Xavier was the first chapter at a historically Black university. To be eligible for membership a student must:

- Be majoring in a curriculum leading to a career in chemistry, chemical engineering, the health professions, or other field of applied chemistry;
- Have a 3.0 overall grade point average and be at least a junior or first year student in the College of Pharmacy; and
- Have completed 20 semester hours of chemistry with a grade point average of 3.0 in these courses.

Phi Sigma Iota International Foreign Language Honor Society. Phi Sigma Iota is an international foreign language honor society that welcomes high achievers into the diverse global linguistic and literary communities of scholarship. It

is centered around the ancient classical languages of Latin, Greek, Sanskrit, and Hebrew; focuses on the romance languages of French, Italian, Spanish, Portuguese and Romanian; and currently includes all languages of the modern world. Founded in 1922, it expanded into the international arena in 1982, initiating its first international chapter in Monterrey, Mexico, and then in Paris, France. The words PHI SIGMA IOTA represent **Phi**lotes [friendship], Spoude [zeal for languages], and **I**dioma [research and individuality]. In 1949, Phi Sigma Iota was voted membership into the US Association of College Honor Societies, the first language society to receive that honor. Currently there are about 250 chapters worldwide.

Its mantra is: "*To understand others is to understand yourself.*" The establishment of the Xavier University chapter, Lambda Beta, was initiated in 2011 by senior language students who appreciated the need for Xavier students to learn more about other languages and cultures and to be part of a worldwide connection of multicultural and multilingual opportunities. Membership requires a minimum of 3.0 GPA, a minimum 3.3 language GPA, and a planned or completed literature or culture course as part of the curriculum. The society offers scholarships and other awards, small project grants, publishing opportunities, online resources, and references for language teaching skills. Upper-level language students who take lower-level language courses other than 1090 and 2020 are automatically ineligible for membership. See www.phisigmaiota.org.

Phi Sigma Tau Philosophy Honor Society. Founded in 1930, this international honor society in philosophy offers students the distinction of membership, a network of over 180 chapters, a forum to interact with other students interested in philosophy, the opportunity to publish in the society's journal and present papers at its conferences, and receipt of the society's publications including its careers bulletin. To be eligible for membership in Xavier's chapter of the society, a student must have completed at least three semesters of college courses, have completed at least two philosophy courses and be enrolled in a third (all at Xavier), have an overall Xavier GPA of at least 2.85, and have a philosophy GPA of at least 3.2.

Pi Gamma Mu. Pi Gamma Mu is one the oldest and preeminent honor societies in the social sciences. The organization was founded in 1924 by the deans of Southwestern College in Kansas and the College of William and Mary in Virginia. There are over 150 active chapters in the United States and overseas. The Louisiana Lambda chapter at Xavier was established in 2014 to encourage and recognize superior scholarship in social science disciplines and to foster cooperation and social service among its members. Application for membership is open to students who meet the following criteria:

- Must be a junior or senior by standards of Xavier University of Louisiana;
- Must have completed at least 20 semester hours in any combination of social science courses. Pi Gamma Mu's constitution defines the social sciences to include the disciplines of history, political science, sociology, anthropology, economics, international relations, criminal justice, social work, psychology, social philosophy, history of education, and human geography;
- Must have a minimum G.P.A. in the aggregate of those courses of at least 3.0; and,
- Students need not be majoring or minoring in a social science field in order to qualify, but merely demonstrate an interest in the social sciences by virtue of completing the requisite number of courses.

Psi Chi. Psi Chi, the national honor society in psychology, was founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Application for membership is open to Psychology majors who have completed 42 degree credit hours, including 9 in psychology, and have achieved a 3.0 cumulative GPA and a 3.25 GPA in Psychology. Students who meet these criteria and are interested in membership may apply annually for membership.

Rho Chi Society. Rho Chi is the academic honor society in pharmacy. The mission of the Rho Chi Society is to encourage and recognize excellence in intellectual achievement and foster fellowship among its members. Further, the Society encourages high standards of conduct and character, and advocates critical inquiry in all aspects of pharmacy. Pharmacy majors are eligible for membership if they have at least 3.0 grade point average (GPA) and rank in the highest 20 percent of their class. In addition, pharmacy majors must have also completed at least one-half of the required professional didactic course work to be eligible.

Sigma Tau Delta English Honor Society. The purposes of Sigma Tau Delta national honor society are to:

- Confer distinction for high achievement in English language and literature in undergraduate, graduate, and professional studies;
- Provide, through its local chapters, cultural stimulation on college campuses and to promote interest in literature and the English language in the surrounding communities;
- Foster the discipline of English in all its aspects, including creative and critical writing;
- Promote good citizenship among its members; and,
- Exhibit high standards of academic excellence.

To be eligible for membership, a student must

- Have completed at least two college courses in English language or literature beyond ENGL 1020;
- Have at least a B average in English courses;
- Rank at least in the highest 35% of his/her class in general scholarship; and
- Have completed at least three semesters of college course work.

College of Arts and Sciences

College of Arts and Sciences

- CAS Divisions and Departments
- Undergraduate Degrees Offered
- Graduate Degrees Offered
- Requirements for the Degree
- Major
- Change of Major or Minor
- Minor
- The Core Curriculum

Administration Building 110 - (504) 520-7652 - https://www.xula.edu/collegeofartsandsciences

The College of Arts and Sciences (CAS) consists of six Academic Divisions comprised of nineteen Academic Departments which together with the College Deans share responsibility for the quality and integrity of the academic programs of the College and fidelity to Xavier's mission.

The CAS Dean's Office provides service to faculty and students on matters pertaining to teaching and learning including curricula, academic progress, and degree requirements. The office staff is accountable for implementation of established policies and procedures found in this University Catalog.

Through the CAS Academic and Planning Councils, the Dean's Office provides oversight of the College Core Curriculum as well as departmental/divisional and interdisciplinary curricula. This includes provision for assessment at all levels within the College as well as monitoring all programmatic and attitudinal university-wide assessment procedures.

An academic faculty member in the student's major is appointed as an advisor to assist each student in registering for appropriate courses and in determining academic progress. Students who are uncertain about a major or who are not making satisfactory academic progress in their chosen major are temporarily assigned as "Deciding Majors."

CAS Divisions and Departments

Biological and Applied Health Sciences

Biology
Public Health Sciences
Speech Pathology

Business
Education and Counseling
Fine Arts and Humanities

Art and Performance Studies
English
History
Languages
Music
Philosophy
Theology

Mathematical and Physical Sciences

Chemistry
Mathematics
Physics and Computer Science

Social and Behavioral Sciences

Mass Communication
Political Science
Psychology
Sociology

Undergraduate Degrees Offered

Bachelor of Arts (B.A.) with majors in:

Art
Art Education
Biology
Elementary Education
English
English/English Education
French
French Education
History
Mass Communication
Middle School Education
Music-Jazz Studies Concentration
Music Liberal Arts
Performance Studies
Philosophy
Physics
Physics with Dual Degree in Civil Engineering, B.A.
Physics with Dual Degree in Electrical Engineering, B.A.
Physics with Dual Degree in Environmental Engineering, B.A.
Physics with Dual Degree in Mechanical Engineering, B.A.
Political Science
Social Studies Education
Sociology
Spanish
Spanish Education
Theology

Bachelor of Music (B.M.) with majors in:

Music Education
Music Performance Instrumental
Music Performance - Piano
Music Performance Voice

Bachelor of Science (B.S.) with majors in:

Accounting
Biochemistry
Bioinformatics
Biology
Biology Education
Biology Pre-Medical
Biology with Dual Degree in
Biomedical Engineering
Business
Chemistry
Chemistry A.C.S.
Chemistry with Dual Degree in
Chemical Engineering
Chemistry with Dual Degree in
Pharmacy
Chemistry Education
Chemistry Pre-Pharmacy
Chemistry Pre-Professional*
Computer Information Systems
Computer Science
Computer Science with Dual Degree in Computer Engineering
Data Science
Mathematics
Mathematics Education
Neuroscience
Physics
Physics with Dual Degree in Civil Engineering
Physics with Dual Degree in Electrical Engineering
Physics with Dual Degree in Environmental Engineering
Physics with Dual Degree in Mechanical Engineering
Psychological Science
Pre-Medical Psychology
Public Health Sciences
Speech Pathology
Statistics
Statistics and Biostatistics Accelerated

*Includes Pre-Medical, Pre-Dental,
and Pre-Veterinary

Graduate Degrees Offered

Master of Arts (M.A.)
Master of Arts in Teaching (M.A.T.)
Master of Public Health in Health Equity (M.P.H.)
Master of Science in Speech-Language Pathology (M.S.)
Doctorate in Educational Leadership (Ed. D.)

Certificates Offered

Entrepreneurship Certificate
Health Communication Certificate
Spanish for Health Professionals Certificate

Requirements for the Undergraduate Degree

In the College of Arts and Sciences, a candidate for the degree must complete a minimum of 120 semester hours of course work with at least a 2.0 cumulative average in an approved program. Each program must include the core curriculum, a major, and a minor (or a double concentration in place of the minor). The candidate must also pass a comprehensive/performance/capstone examination in his/her major field, usually in the senior year. A student who has not passed the Senior Comprehensive, or all parts of the Praxis Exam or GRE for the departments/divisions which allow these tests to be used as a substitute for the Senior Comprehensive, will not be allowed to participate in the commencement ceremony or to receive a diploma. Approved substitutions for the Senior Comprehensive are stated in the departmental sections.

Major

Each candidate for a degree in the College must complete an approved major concentration of at least twenty-four, and no more than seventy-three, semester hours. Eighteen hours of these must be completed at Xavier. A minimum GPA of 2.0 is required by the College in the major field, but individual departments/divisions may require a higher average. Students are expected to receive a "C" grade or better in each course in their major. The approved programs are listed under the departments/divisions which offer them.

See *Second Bachelor's Degree* for more information about earning a second degree.

See Requirements for more information about earning a *double major*.

Change of Major or Minor

The student who wishes to transfer from one major or minor department/division to another must observe the following procedures:

1. Report to the Registrar's Office to obtain a Change of Major form;
2. Consult the Head of the prospective department/division to ascertain whether the Head is in favor of the change;
3. Obtain written approval from the current departmental/division Head; and
4. Return to the Head of the prospective department/division to obtain written approval.
5. Return the completed form to the Registrar's Office.

The student must follow the academic program and requirements of the department/division that are in effect at the time of transfer.

Minor

Each student's program of study must include a minor in an academic discipline other than the major discipline. The minor is composed of not less than 18 or more than 21 semester hours. When a major curriculum has a "built-in" minor, the student is required to complete that minor. Each student must declare a minor at the beginning of the junior year unless it has already been declared or has been determined by the major. Declaration of the minor is completed when the appropriate form is submitted to the Registrar's Office by the student.

Prescribed minors are found in this catalog within the descriptions of the various departments/divisions that offer them. Successful completion of an official minor will be designated on the student's official record. The official minor designation requires that a minimum of nine (9) of these hours be completed at Xavier.

A student may also satisfy the minor requirement by successfully completing an interdisciplinary minor, which has been approved by the Academic Council of the College, or by successfully completing a double concentration. A double concentration consists of at least twelve hours in each of two disciplines. The specific twelve hours must be approved by the Head of the student's major department/division and the head of the other two departments/divisions as well as the Dean of the College.

Any exceptions to the above must be approved by the student's Department Head and the Dean of the College.

The Core Curriculum

For a list of the latest course offerings, visit: http://webusers.xula.edu/aedwards/core/index.html.

Xavier University of Louisiana's Core Curriculum (the Core) emphasizes Xavier's identity as a Catholic and historically Black institution and supports the goal that students should achieve both breadth and depth of knowledge in the liberal arts. The Core enriches the undergraduate educational experience by exposing students to integrative approaches in learning and by cultivating nuanced perspectives for engaging in thought and in action the major questions of their lives. Required of all undergraduate students in the College of Arts and Sciences, the 40 credit hours of the Core provide the foundation and, together with the major program of study, contribute to a well-rounded education.

The following Learning Outcomes of the Core Curriculum include skills, knowledge, and values that reinforce Xavier's mission and its identity as a Catholic and historically Black university.

1. Students will be able to communicate effectively through writing and speaking.
2. Students will be able to use quantitative, empirical, and critical reasoning skills to solve problems.
3. Students will be able to incorporate diverse cultural perspectives in their analysis of issues, from local to global, and to recognize the interconnectivity of human experience.
4. Students will be able to demonstrate a science-based understanding of the natural world.
5. Students will be able to interpret and evaluate diverse forms of human expression.
6. Students will apply socially responsible and ethical principles to promote equity and sustainability in ways that align with Xavier's mission as a historically Black and Catholic institution.

The Core helps to prepare students for lifelong learning and ethical living. It includes courses that frame an integrative academic experience, support student's work in their major, and provide the tools to synthesize and apply knowledge, skills, and values. The Core requires students to engage in a continuous search to make meaningful connections by incorporating and applying multiple perspectives and methodologies to find solutions to complex problems. It also includes bookend courses that highlight Xavier's unique mission. By the time Xavier students complete their course of studies, they are better equipped to exercise global leadership towards the creation of a more just and humane society.

Three skills are embedded throughout the different areas of the Core Curriculum. In practice, the skills of writing, speaking, and

critical thinking are all interdependent. Sharpening one of them leads to greater command of the others. The ability to communicate ideas clearly, accurately, ethically, and in an engaging way is essential to success in both academic and professional life.

> **Oral Communication** skills allow students to transmit ideas appropriately in spoken form based on audience, purpose, and context, and to listen with critical and literal comprehension. Integrating Oral Communication across the curriculum enhances students' ability to analyze and construct messages critically, accomplish communicative goals, and apply ethical communication principles.
>
> **Written Communication** skills allow students to express ideas clearly and cohesively in multiple written forms to different intended audiences. Integrating Writing across the curriculum enhances students' ability to produce writing of increasing complexity that has a clear central purpose, appropriate structure, and compelling argument.
>
> **Critical Thinking** skills allow students to analyze, assess, and reach informed and logical conclusions about different subjects, issues, or concerns. Integrating Critical Thinking across the curriculum enhances students' ability to investigate increasingly complex questions and produce rational conclusions from multiple perspectives.

Students begin their intellectual exploration during their early years; this will prepare them for more integrated and applied learning as they advance through the curriculum. Students progress through the Core in three distinct stages: 1) Foundations at Xavier; 2) Explorations in the Liberal Arts; and 3) Engagements with Knowledge and Practice.

Special Note:
Courses that fulfill the core may be counted toward majors and minors except as noted for XCOR 3010/XCOR 3020.

FOUNDATIONS AT XAVIER (13 hours)

Foundations at Xavier introduces Xavier students to college-level written and spoken rhetoric, quantitative reasoning, and critical thinking and writing skills necessary for success in school and in life. The Experience courses expand both knowledge and skills, and shape the habits of mind that lie at the heart of what it means to live Xavier's mission. In addition to promoting general academic skills, these courses help students explore issues of self-identity and foster an examination of their individual roles within larger communities. These Experience courses also offer opportunities to create new communities among students and to develop unique mentoring relationships with professors.

For a list of the latest course offerings, visit: http://webusers.xula.edu/aedwards/core/index.html.

- XCOR (4 hours)
- College Writing (3 hours)
- Advanced Rhetoric and Composition (3 hours)
- Quantitative Reasoning (3 hours)

EXPLORATIONS IN LIBERAL ARTS (21 hours)

Explorations courses build on the Foundational requirements and foster the breadth of knowledge, skills, and values essential to a well-rounded, liberal arts education within the intellectual space of a Catholic and historically Black university. These categories are not organized by department or discipline, but by areas of inquiry. It is expected that these areas may inspire the creation of new courses - or revisions to existing ones - that will expand the interconnectivity of different perspectives and blur the lines of disciplinary isolation. The courses in any particular category might come from several disciplines. If an individual course is

approved for multiple Explorations categories, students may only count that course to fulfill one of the categories. Although Explorations courses can be taken any time before graduation, it is recommended that students complete these required courses during their first two years so that they are better able to integrate all areas of inquiry into their overall academic experience.

For a list of the latest course offerings, visit: http://webusers.xula.edu/aedwards/core/index.html.

*Students must take at least one course from each area below.

- African American Heritage and Legacies (3 hours)
- Creative Expression and Engagement (3 hours)
- Examined Life (3 hours)
- Faith and Society (3 hours)
- Human Behavior (3 hours)
- Human Past (3 hours)
- Scientific Reasoning (3 hours)

ENGAGEMENTS WITH KNOWLEDGE AND PRACTICE (6 hours)

Engagements courses accentuate integrative and applied learning. Catholic intellectual tradition emphasizes that learning is most meaningful when difficult questions are investigated from a variety of perspectives. The Engagements courses allow students to explore connections between disciplines and provide opportunities to study a "big idea" topic from multiple disciplinary perspectives in order to find solutions to complex problems. The Engagements seminars prepare students to contribute to the promotion of a more just and humane society by enhancing students' preparedness to assume roles of leadership and service in a global society.

For a list of the latest course offerings, visit: http://webusers.xula.edu/aedwards/core/index.html.

- XCOR (6 hours)
- Senior Capstone (0 hours)

Division of Biological and Applied Health Sciences

Division of Biological and Applied Health Sciences

The Division of Biological and Applied Health Sciences serves the Xavier community by creating a diverse environment for learning and teaching all aspects of the life sciences and promoting the well-being of human societies and individuals. Students with majors and minors in this division will gain understanding of the molecular, organismal, population, ecological, functional, and phylogenetic facets of life.

Human society is part of a larger community of microorganisms, plants, animals, and many other forms of life, which are characterized both by their unity and their diversity. As biological organisms, we share a common heritage including such traits as DNA, genes, membranes, cells, and reproduction. Yet each species and each individual also possesses traits unique to itself. The study of these organisms and their functions and characteristics is the subject of biology. Our health and well-being are impacted by our physical environment, by our individual behaviors, and by an array of elements that work together to influence human health. The study of elements that impact our health from policy to individual behaviors and choices is the subject of public health. Speech pathology is the study of human communication - its normal development, its disorders, and strategies for prevention, assessment and treatment of communication disorders.

These fields of study are investigated by the division's three departments, the Department of Biology, the Department of Public Health Sciences, and the Department of Speech Pathology. Students majoring in these subjects will be prepared for careers in a variety of fields in biomedical sciences, public health, and the life sciences. Students also may continue their studies by seeking advanced degrees in medical or other professional schools, or in graduate school. Faculty members in the division are involved in research projects in various fields of biology, public health, and speech pathology. They bring their research expertise into the classroom, and also bring students into the field, laboratory, and clinic to participate with them in their investigations. The Division of Biological and Applied Health Sciences is committed to preparing its students to assume roles of leadership and service in a global society.

Visit us at: https://www.xula.edu/division?id=biological_and_applied_health_sciences.

The Division of Biological and Applied Health Sciences offers the following degree programs.

B.A. in Biology
B.S. in Biology
B.S. in Biology with Dual Degree in Biomedical Engineering (in conjunction with the Division of Mathematical and Physical Sciences)
B.S. in Biology Education (in conjunction with the Division of Education and Counseling)
B.S. in Biology Pre-Medical
B.S. in Medical Laboratory Science
B.S. in Public Health Sciences
B.S. in Speech Pathology
M.P.H. in Health Equity
M.S. in Speech-Language Pathology

Department of Biology

Division of Biological and Applied Health Sciences

NCF Science Annex 433 - (504) 520-7527 - https://www.xula.edu/department?id=biology_baeb1f1

The study of life in its myriad forms is an enriching experience which enhances the spiritual and cultural development of those who engage in it. The Biology Department is dedicated to fostering a richer and fuller appreciation of the living world in all students, both majors and non-majors.

The Department offers both a B.S. and a B.A. degree. The B.S. is offered through programs in Biology, Biology Pre-Medical, Biology Education, and the Dual Degree Program in Biomedical Engineering. The B.S. programs provide excellent preparation for a number of different career paths and for graduate school or for medical or other professional schools. The Biology Education major enables students to obtain certification from the State of Louisiana as teachers of high school biology at the same time that they receive their undergraduate degree.

Students seeking a B.S. in Biology may designate themselves Pre-Medical when declaring their major.
The Biology B.S. Program and the Biology Pre-Medical B.S. Program have identical course requirements, and both include a Chemistry minor. The Pre-Medical designation also includes students preparing for dental, veterinary, and other health professional schools.

The B.A. degree in Biology is designed to serve Biology majors who are interested in combining their study of biology with other disciplines such as Pre-Law, marketing, social sciences, journalism, or history. Students seeking the B.A. degree may select any minor or double concentration. This degree will not by itself prepare students for medical or dental schools, and may not provide all the coursework expected for graduate programs in biology. Therefore, the B.A. program is not recommended for students who plan to pursue a graduate degree in biology. Those who opt for the B.A. degree will be required to take additional courses in chemistry, physics and mathematics if they later wish to attend professional school.

Only biology courses completed with a grade of "C" or better will be counted towards the major. Except in unusual circumstances, students who must repeat more than two biology courses will not be permitted to continue as majors, and no biology course may be repeated more than once. Also, majors are required to pass a comprehensive examination.

Xavier is an Affiliate Institution of the Gulf Coast Research Laboratory, Ocean Springs, MS and a Member Institution of the Louisiana Universities Marine Consortium (LUMCOM) in Cocodrie, LA. Xavier students are eligible to take courses at these institutions. Interested students should consult the Summer Announcement found on each institution's respective website.

The Department recognizes a special obligation to students who choose to major in biological sciences and is committed to the task of providing these individuals with knowledge and opportunities which will enable them to become contributing members of society in their chosen fields. These students, upon graduation from Xavier, should be able to successfully pursue graduate or professional study, careers in research and teaching, or fill other positions requiring a background in biology. To achieve these goals, the Biology Department will attempt to:

1. provide students with knowledge of basic biological concepts so that they may be able to explain the concepts, interpret data in light of these concepts, and organize these concepts in such a manner as to indicate an understanding of their interrelatedness; and
2. provide practice in the use of the scientific method and tools of research so that the students may be able to organize a scientific problem, investigate the problem, and present their findings using an acceptable scientific format.

Required and Elective Courses in the Department

<u>For the major in Biology or Biology Pre-Med:</u> BIOL 1210L , BIOL 1220L, BIOL 1230/BIOL 1230L, BIOL 1240/BIOL 1240L, BIOL 2000/BIOL 2000L, BIOL 2010/BIOL 2010L, BIOL 3110/BIOL 3110L, BIOL 4230, and fifteen hours of biology electives.

Students in all programs should note that: 1) It is best to take required courses in sequence as indicated in the curricula outlined below; 2) Biology electives should not be attempted until all required biology courses (except BIOL 4230) are

successfully completed; 3) students should realize the value of laboratory experience and schedule accompanying laboratory courses when selecting electives, although for sufficient reason the lab can be omitted; 4) students may not register for a laboratory course without concurrently taking (or previously completed) the corresponding lecture; 5) all students regardless of their program are to register for BIOL 4999 - Senior Comprehensives after successful completion of BIOL 3110 with a grade of C or better. Students will not be permitted to attempt Senior Comprehensives unless they have at least a 2.0 grade point average both overall and in the major, and have satisfactorily completed all specifically required biology courses.

In planning their elective courses, students should consult with their faculty advisors, who will assist them in choosing courses that are appropriate for the student's interests and goals.

Honors in Biology - Each spring the Department will select a limited number of students for possible graduation with Honors in Biology. Students who achieve this distinction will have maintained at least a 3.50 grade point average in biology and 3.30 grade point average overall, with no grade of "C" or lower in any biology course, throughout their undergraduate careers. Biology and Biology Pre-Med majors who satisfy these minimum requirements will be selected at the end of their junior year. Selected students will be required to register for BIOL 4230 Biology Capstone during their senior year. Students will be dropped from the Program if they fail to continue to meet the academic requirements given above.

Biology Minor

Major

Biology Education (Grades 6-12) (Certification - Biology), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Biology Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for more information.

Freshman Year

First Semester

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- EDUC 2035 - Child & Adolescent Psychology
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- EDUC 1000 - Teacher Prep
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- EDUC 2044 - Methods of Classroom Organization and Management
    - The Examined Life (3)

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

Semester Hours: 14

Second Semester

- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- BIOL Elective (6)

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level Education and Psychology courses.

First Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- EDUC 2500 - Methods of Teaching 1-12
- XCOR 3010 - Engaging the Mission
    - African American Heritage and Legacies (3)
    - The Human Past (3)

Semester Hours: 16

Second Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4005S - Praxis Specialty Area
- BIOL 4230 - Biology Capstone
- Free Elective (2)
- EDUC 3040 - Educational Psychology
- XCOR 3020 - Engaging Global Issues
    - Creative Expression and Engagement (3)
    - Faith and Society (3)

Semester Hours: 17

Senior Year

First Semester

- BIOL 4999 - Senior Comprehensives
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- BIOL Elective (4)
- IPSC Elective (3)
- Residency (3)

Semester Hours: 13

Second Semester

- EDSC 4150 - Teaching Reading in the Content Areas
  or
- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

- Residency (9)

Semester Hours: 12

**INNOVATIVE RESIDENCY MODEL = classroom fieldwork in afternoons in fall semester + classroom teaching in spring

Summary: Program in Biology Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
  - Quantitative Reasoning (3, MATH 1030 or MATH 1030I)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, BIOL 1230/BIOL 1230L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

Major: 30*

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory (1 of 4 for BIOL 1230/BIOL 1230L)
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory

- BIOL 4230 - Biology Capstone
- BIOL Electives (10)
- BIOL 4999 - Senior Comprehensives

Education: 33*

- EDUC 1000 - Teacher Prep
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2200 - Multicultural Education
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology (0*)
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- Residency (12)

Other Required Courses: 15*

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- IPSC Elective (3)

- MATH 1030 - Pre-Calculus (1 of 4)*
  or
- MATH 1030I - Intensive Pre-Calculus (1 of 4)*

- STAT 2010 - Statistical Methods I

Free Elective: 2

Total Hours: 120

*The remaining 3 hours of General Biology I and MATH 1030 or MATH 1070 fill the Scientific Reasoning and Quantitative Reasoning requirements, respectively, and are counted in the Foundations and Explorations Cores.

Biology Pre-Medical, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- BIOL 1210L - Foundations of Biology I
- BIOL 1230 - General Biology I (Explorations)
- BIOL 1230L - General Biology I Laboratory (Explorations)
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3, MATH 1020)

- ENGL 1000 - Intensive English Composition and Rhetoric
  or
- ENGL 1010 - English Composition and Rhetoric

Semester Hours: 16

Second Semester

- BIOL 1220L - Foundations of Biology II
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus
  or
- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- Faith and Society (3)

Semester Hours: 15

Second Semester

- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
    - The Human Past (3)
    - Human Behavior (3)
    - Creative Expression and Engagement (3)

Semester Hours: 17

Junior Year

First Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
    - African American Heritage and Legacies (3)
    - The Examined Life (3)

Semester Hours: 14

Second Semester

- BIOL Elective (4)
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- CHEM 3130 - Introduction to Biochemistry

    - Free Elective (3)

Semester Hours: 14

Senior Year

First Semester

- BIOL Elective (7)
- BIOL 4230 - Biology Capstone
- BIOL 4999 - Senior Comprehensives
- XCOR 3010 - Engaging the Mission
    - Free Elective (3)

Semester Hours: 16

Second Semester

- XCOR 3020 - Engaging Global Issues
    - BIOL Elective (4)
    - Free Elective (6)

Semester Hours: 13

Summary: B.S. Program in Biology Pre-Medical

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1020)

Explorations: 21

African American Heritage and Legacies (3), Creative Expression and Engagement (3), The Examined Life (3), Faith and Society (3), Human Behavior (3), The Human Past (3), Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 49

- BIOL 1210L - Foundations of Biology I
- BIOL 1220L - Foundations of Biology II
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory (1 of 4 for BIOL 1230/BIOL 1230L)*
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- BIOL 4230 - Biology Capstone
- BIOL Electives (15)
- BIOL 4999 - Senior Comprehensives

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus
  or
- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

Minor: 19

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3130 - Introduction to Biochemistry

Free Electives: 12

Total Hours: 120

*The remaining 3 hours of General Biology I fill the Scientific Reasoning requirement, and are counted in the Explorations Core.

Biology with Dual Degree in Biomedical Engineering, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

The Department of Biology supports the Dual Degree Engineering Program in Biomedical Engineering which is detailed below. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

Freshman Year

First Semester

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory

- XCOR 1000 - College Experience

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- College Writing (3)

Semester Hours: 16

Second Semester

- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- ENGR 1200 - Introduction to Engineering
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- MATH 2030 - Elementary Linear Algebra
- PHYS 1121 - Physics I for PHYS and ENGR
    - The Human Past (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)

Semester Hours: 17

Second Semester

- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- MATH 2080 - Calculus III
- PHYS 1141 - Physics II for PHYS and ENGR
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)

Semester Hours: 18

Junior Year

First Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- ENGR 2210 - Mechanics-Statics
- ENGR 2120 - Circuits I
- PHYS 2510 - Computational Science & Engineering
- XCOR 3010 - Engaging the Mission

Semester Hours: 16

Second Semester

- BIOL 4230 - Biology Capstone [1]
- BIOL 4999 - Senior Comprehensives
- MATH 2530 - Differential Equations
- PHYS 2530 - Vibrations and Waves
    - Human Behavior (3)
    - Faith and Society (3)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 18

Taken at Engineering School

- The Examined Life[2] (3)
- ENGR Electives (13)

Summary: B.S. Biology with Dual Degree Program in Biomedical Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
    - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 67

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
  (1 of 4 for BIOL 1230/BIOL 1230L)
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- BIOL 4230 - Biology Capstone
- BIOL 4999 - Senior Comprehensives
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- PHYS 1121 - Physics I for PHYS and ENGR
- PHYS 1141 - Physics II for PHYS and ENGR

- MATH 2510 - Computational Science & Engineering
  or
- PHYS 2510 - Computational Science & Engineering

- PHYS 2530 - Vibrations and Waves

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors
  (1 of 4 for MATH 1070 or MATH 1070H)*

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- MATH 2030 - Elementary Linear Algebra
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations
- ENGR 1200 - Introduction to Engineering
- ENGR 2210 - Mechanics-Statics
- ENGR 2120 - Circuits I

Engineering Electives: 13

Must include an Engineering School Capstone course and completion of a Senior Comprehensive exam.

Total Hours: 120

[1] Senior Capstone course is satisfied by BIOL 4230

[2] Can be met with any Philosophy course at the other institution

* The remaining 3 hours of General Biology I and MATH 1070 fill the Scientific Reasoning and Quantitative Reasoning requirements, respectively, and are counted in the Foundations and Explorations Cores.

Biology, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- BIOL 1210L - Foundations of Biology I
- BIOL 1230 - General Biology I (Scientific Reasoning)
- BIOL 1230L - General Biology I Laboratory
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- XCOR 1000 - College Experience
    - College Writing (3)
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)

Semester Hours: 16

Second Semester

- BIOL 1220L - Foundations of Biology II
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)

Semester Hours: 15

Sophomore Year

First Semester

- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- CHEM 2210/2210D - Organic Chemistry I
    - The Human Past (3)
    - The Examined Life (3)
- Minor (3)

Semester Hours: 16

Second Semester

- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- Minor (3)
    - Human Behavior (3)
    - Creative Expression and Engagement (3)
- Free Elective (3)

Semester Hours: 16

Junior Year

First Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- Minor (3)
- Physical Science (3)
    - Faith and Society (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- African American Heritage and Legacies (3)
- BIOL Electives (4)
- Minor (3)
- Free Elective (3)

Semester Hours: 13

Senior Year

First Semester

- BIOL 4230 - Biology Capstone
- BIOL 4999 - Senior Comprehensives
- Minor (3)
- XCOR 3010 - Engaging the Mission
- BIOL Electives (4)
- Free Elective (2)

Semester Hours: 15

Second Semester

- XCOR 3020 - Engaging Global Issues
- BIOL Electives (7)
- Minor (3)

Semester Hours: 13

Summary: B.A. Program in Biology

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1020)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone

Major: 51

- BIOL 1210L - Foundations of Biology I
- BIOL 1220L - Foundations of Biology II
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
  (1 of 4 for BIOL 1230/BIOL 1230L)*
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- BIOL 4230 - Biology Capstone
- BIOL electives (15)
- BIOL 4999 - Senior Comprehensives
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- MATH 1020 - Basic Statistics I (0, counted under the Foundations core)
- Physical Science (3)

Minor: 18

Free Electives: 11

Total Hours: 120

Biology, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- XCOR 1000 - College Experience
- College Writing (3)
    - Quantitative Reasoning (3, MATH 1020)
- BIOL 1210L - Foundations of Biology I
- BIOL 1230 - General Biology I (Explorations)
- BIOL 1230L - General Biology I Laboratory
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

Semester Hours: 16

Second Semester

- BIOL 1220L - Foundations of Biology II
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

    - Faith and Society (3)
- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus
  or
- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

Semester Hours: 15

Second Semester

- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
    - The Human Past (3)
    - Human Behavior (3)
    - Creative Expression and Engagement (3)

Semester Hours: 17

Junior Year

First Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
    - African American Heritage and Legacies (3)
    - The Examined Life (3)

Semester Hours: 14

Second Semester

- BIOL Electives (4)
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- CHEM 3130 - Introduction to Biochemistry
    - Free Elective (3)

Semester Hours: 14

Senior Year

First Semester

- BIOL Electives (7)
- BIOL 4230 - Biology Capstone
- BIOL 4999 - Senior Comprehensives
- XCOR 3010 - Engaging the Mission

- Free Elective (3)

Semester Hours: 16

Second Semester

- XCOR 3020 - Engaging Global Issues
- BIOL Electives (4)
    - Free Elective (6)

Semester Hours: 13

Summary: B.S. Program in Biology

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1020)

Explorations: 21

African American Heritage and Legacies (3), Creative Expression and Engagement (3), The Examined Life (3), Faith and Society (3), Human Behavior (3), The Human Past (3), Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 49

- BIOL 1210L - Foundations of Biology I
- BIOL 1220L - Foundations of Biology II
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory (1 of 4 for BIOL 1230/BIOL 1230L)
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2000 - Biodiversity

- BIOL 2000L - Biodiversity Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- BIOL 4230 - Biology Capstone
- BIOL Electives (15)
- BIOL 4999 - Senior Comprehensives

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus
  or
- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

Minor: 19

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3130 - Introduction to Biochemistry

Free Electives: 12

Total Hours: 120

*The remaining 3 hours of General Biology I fill the Scientific Reasoning requirement, and are counted in the Explorations Core.

Medical Laboratory Science, B.S.

Freshman Year

First Semester

- BIOL 1210L - Foundations of Biology I
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- Quantitative Reasoning (3, MATH 1020)
- College Writing (3, ENGL 1000 or ENGL 1010)
- XCOR 1000 - College Experience

Semester Hours: 16

Second Semester

- BIOL 1220L - Foundations of Biology II
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- Advanced Rhetoric & Composition (3, ENGL 1020 or ENGL 1023H)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- Faith & Society (3)
- The Human Past (3)
- Creative Expression & Engagement (3)

Semester Hours: 17

Second Semester

- MDLS 2000 - Introduction to MLS
- BIOL 3081 - Medical Microbiology
- BIOL 3081L - Medical Microbiology Laboratory
- Human Behavior (3)

- The Examined Life (3)
- African American Heritage & Legacies (3)

Semester Hours: 16

Junior Year

First Semester

- BIOL 3360 - Parasitology
- BIOL 3360L - Parasitology Laboratory
- Biology Elective (3)
- MDLS 3000 - Professional Skills
- MDLS 3030 - Hematology I
- MDLS 3030L - Hematology I Lab
- MDLS 3500 - Introduction of Molecular Diagnostic Techniques

Semester Hours: 17

Second Semester

- BIOL 3070 - Immunology
- BIOL 3070L - Immunology Laboratory
- MDLS 3040 - Hematology II
- MDLS 3040L - Hematology II Lab
- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Semester Hours: 14

Senior Year

First Semester

- MDLS 4000 - Senior Capstone - Management, Education and Research for MDLS Majors
- MDLS 4122 - Immunohematology
- MDLS 4122L - Immunohematology Lab
- MDLS 4123 - Urinalysis and Body Fluids
- MDLS 4123L - Urinalysis and Body Fluids Lab
- MDLS 4124 - Clinical Chemistry Lecture
- MDLS 4124L - Clinical Chemistry Lab

Semester Hours: 13

Second Semester

- MDLS 4000 - Senior Capstone - Management, Education and Research for MDLS Majors
- MDLS 4231 - Clinical Microscopy Lab
- MDLS 4232 - Clinical Immunohematology Practicum
- MDLS 4233 - Clinical Hematology Practicum
- MDLS 4234 - Clinical Microbiology Practicum
- MDLS 4235 - Clinical Serology (Immunology) Practicum
- MDLS 4236 - Clinical Chemistry Practicum

Semester Hours: 16

Summary: Program in Medical Laboratory Science

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3, ENGL 1000 or ENGL 1010)
- Advanced Rhetoric and Composition (3, ENGL 1020 or ENGL 1023H)
- Quantitative Reasoning (3, MATH 1020)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3, BIOL 1230)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Biology: 26

- BIOL 1210L - Foundations of Biology I
- BIOL 1220L - Foundations of Biology II
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II

- BIOL 1240L - General Biology II Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- BIOL 3070 - Immunology
- BIOL 3070L - Immunology Laboratory
- BIOL 3360 - Parasitology
- BIOL 3081 - Medical Microbiology
- BIOL 3081L - Medical Microbiology Laboratory
- Biology Elective (3, BIOL 3091 or BIOL 3110 or BIOL 3350)

Chemistry: 12

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory

Medical Laboratory Science: 32

- MDLS 2000 - Introduction to MLS
- MDLS 3000 - Professional Skills
- MDLS 3030 - Hematology I
- MDLS 3030L - Hematology I Lab
- MDLS 3040 - Hematology II
- MDLS 3040L - Hematology II Lab
- MDLS 3500 - Introduction of Molecular Diagnostic Techniques
- MDLS 4000 - Senior Capstone - Management, Education and Research for MDLS Majors
- MDLS 4122 - Immunohematology
- MDLS 4122L - Immunohematology Lab
- MDLS 4123 - Urinalysis and Body Fluids
- MDLS 4123L - Urinalysis and Body Fluids Lab
- MDLS 4124 - Clinical Chemistry Lecture
- MDLS 4124L - Clinical Chemistry Lab

Clinical Internship: 14 (at Ochsner or another clinical partner)

- MDLS 4231 - Clinical Microscopy Lab
- MDLS 4232 - Clinical Immunohematology Practicum
- MDLS 4233 - Clinical Hematology Practicum
- MDLS 4234 - Clinical Microbiology Practicum
- MDLS 4235 - Clinical Serology (Immunology) Practicum
- MDLS 4236 - Clinical Chemistry Practicum

Total Hours: 124

Minor

Biology Minor

Students in other majors who wish to minor in Biology must take BIOL 1230/BIOL 1230L, BIOL 1240/BIOL 1240L, and at least ten additional hours of biology excluding courses designated in the catalog as not applicable to a minor in Biology. Grades of "C" or better in BIOL 1230/BIOL 1230L and BIOL 1240/BIOL 1240L are prerequisite for higher-numbered courses in the minor.

Department of Public Health Sciences

Division of Biological and Applied Health Sciences

Library Resource Center 321 - (504) 520-6707 -
https://www.xula.edu/department?id=public_health_sciences_0c97545

The mission of the undergraduate major in Public Health Sciences is to utilize a strong foundation in liberal arts and public health to educate students on how to critically think and implement multidisciplinary public health strategies to promote health and well-being on a population basis. Completing the Public Health Sciences major will: (1) expose students to the historical and societal associations between determinants of health and health outcomes utilizing analytical thinking and critical assessment; (2) provide students with a variety of professional development and academically challenging experiences that prepare students to enter the public health workforce or graduate/professional schools; (3) assist students with demonstrating creativity, inquisitiveness, and evidenced-based rigor in the application of public health problem-solving skills; and 4) assist students with developing skills and abilities to design, implement, and evaluate health intervention to address a variety of health issues.

The Public Health Sciences undergraduate degree program is built upon Xavier's strong emphasis in the liberal arts. The liberal arts courses help to establish an interdisciplinary perspective based on a variety of disciplinary contributions in the arts and sciences - all of which are critical to students' preparation in public health. These courses include history, ethics and philosophy, English literature, psychology, sociology, political science/public policy, economics, biology, chemistry, physics, mathematics/statistics, languages, communication studies, and fine arts. These recommended courses align nicely with the required core courses every Xavier University student must take.

The Master of Public Health in Health Equity graduate degree program is a 45-credit hour program that includes M.P.H. core foundational competency courses and a range of other courses to choose from related to determinants of health equity. The program is offered in an on-campus format with courses being offered in late afternoon and evening to accommodate work schedules.

The M.P.H. in Health Equity is designed to accomplish the following goals and is based on the current work of the Association of Schools and Programs of Public Health and the Council on Education for Public Health:

- Educate students so that they understand the core beliefs and functions of the profession and evidence-based science of public health; and
- Educate students so that they understand the environmental, biological, genetic, behavioral and psychological factors, and globalization affects related to human health.

In addition to satisfying these goals, the M.P.H. in Health Equity will be assessed based on the learning objectives and competencies listed for each individual course. Identified key domains and preliminary core constructs around which the assessment of the M.P.H. Program will be assessed are:

- Evidence-Based Approaches to Public Health,

- Public Health and Health Care Systems,
- Planning and Management to Promote Health,
- Policy in Public Health,
- Leadership,
- Communication,
- Interprofessional Practice, and
- Systems Thinking.

Honors in Public Health Sciences - In order to obtain Honors in Public Health Sciences, students majoring and minoring in Public Health Sciences must meet the following criteria:

1. A 3.5 GPA in Public Health Sciences courses for majors and minors, and
2. A 3.3 Overall GPA, and
3. A minimum of 18 hours in Public Health Sciences must be taken at Xavier

Graduate Degree

Health Equity, M.P.H.

The curriculum will be closely structured to reflect the core of public health, with additional courses that will be geared towards health equities. The curriculum will require students to complete 45 hours and will have both a thesis and a non-thesis option.
Students will be required to complete 27 hours of required core courses that are listed below:

- PHLT 5010 Environmental Health and Toxicological Issues
- PHLT 5020 Epidemiologic Methods in Racial and Ethnic Disparities
- PHLT 5030 Health Equity Principles and Practices
- PHLT 5040 Applied Biostatistics
- PHLT 5050 Public Health Policy
- PHLT 5060 Determinants of Health Equity
- PHLT 5999 Graduate Practicum and Capstone

In addition, students will also select 18 hours of Public Health Electives that include:

- PHLT 5500 Current Issues in Health Equities Core Seminar
- PHLT 5510 Community Based Research
- PHLT 5520 Health Literacy and Cultural Communication
- PHLT 5530 Qualitative and Quantitative Research Methods
- PHLT 5700 Advanced Methods for Planning and Implementing and Evaluating Health Promotion Programs/ [Intervention Mapping]
- PHLT 5710 Computer Applications [SPSS, STATA and GIS]
- PHLT 5720 Collaborative Leadership
- PHLT 5731 Independent Study
- PHLT 5732 Independent Study
- PHLT 5733 Independent Study
- PHLT 5740 Political Economy of Social Inequalities and its Consequences for Health and Quality of Life
- PHLT 5750 Implementation of Research and Practice
- PHLT 5760 Ethnicity, Race, Class & Gender: A Multicultural Public Health Perspective
- PHLT 5770 Chronic Disease Epidemiology and Prevention
- PHLT 5780 Infectious Disease Epidemiology

First Year

Fall Semester

- PHLT 5050 - Public Health Policy
- PHLT 5010 - Environmental Health and Toxicological Issues
- PHLT 5020 - Epidemiologic Methods in Racial and Ethnic Disparities
- PHLT 5030 - Health Equity Principles and Practices

Semester Hours: 12

Spring Semester

- PHLT 5060 - Determinants of Health Equity
- PHLT 5040 - Applied Biostatistics
- Public Health Electives (6)

Semester Hours: 12

Summer Semester

- Public Health Electives (9)

Semester Hours: 9

Second Year

Fall Semester

- PHLT 5999 - Graduate Practicum and Capstone *
- Public Health Elective (3)

Semester Hours: 12

Total Hours: 45

*Graduate Practicum can also be taken during the summer.

Major

Public Health Sciences, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Required Courses

The requirements for a major in public health sciences include the following nine courses:

- PHLT 1001 Introduction to Public Health
- PHLT 1002 Nutrition and Health
- PHLT 2001 Behavioral Theories in Public Health
- PHLT 2002 Health Promotion Program Planning & Evaluation
- PHLT 2004 Introduction to Environmental Health
- PHLT 3001 Introduction to Epidemiology
- PHLT 3004 Research Methods
- PHLT 4002 Introduction to Global Health
- PHLT 4003 Senior Seminar Case Studies

Completing all of the required courses will help students learn about underlying causes of health and the role public health plays in addressing them. Students will learn how to apply public health approaches to prevent or intervene on public health concerns both domestically and internationally.

In order for a public health sciences course to be counted for degree credit, a student must earn a "C" or better. In addition, Public Health Sciences majors are required to attend classes regularly; complete a nine credit hour senior internship; and pass the Senior Comprehensive Exam. Students interested in medical or dental school should begin work in the freshmen year on a minor in biology, chemistry, and any other courses required by medical and dental schools.

As in all undergraduate majors at Xavier, Public Health Sciences majors are required to declare a minor. Students may consider, for example, establishing a minor in biology, mathematics, psychology, sociology, theology or business.

Freshman Year

First Semester

- PHLT 1001 - Introduction to Public Health
- PHLT 1002 - Nutrition and Health
- XCOR 1000 - College Experience
- MATH 1020 - Basic Statistics I (Quantitative Reasoning 3, MATH 1020)
    - College Writing (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- PHLT 2001 - Behavioral Theories in Public Health
- STAT 2021 - Statistical Methods II

- XCOR 1011 - Xavier Experience

or

- XCOR 1012 - New Orleans Experience

- Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
    - Creative Expression and Engagement (3)

Semester Hours: 16

Sophomore Year

First Semester

- PHLT 2002 - Health Promotion Program Planning & Evaluation
- PHLT 2004 - Introduction to Environmental Health
- BIOL 1230 - General Biology I (Scientific Reasoning)
- BIOL 1230L - General Biology I Laboratory
    - Faith and Society (3)
    - The Human Past (3)

Semester Hours: 16

Second Semester

- PHLT 3001 - Introduction to Epidemiology
- BIOL 1240L - General Biology II Laboratory
- BIOL 1240 - General Biology II
    - African American Heritage and Legacies (3)
    - The Examined Life (3)
- Minor (3)

Semester Hours: 16

Junior Year

First Semester

- PHLT 4002 - Introduction to Global Health
- PHLT 3004 - Research Methods
- XCOR 3010 - Engaging the Mission
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- PHIL 2400 - Health Ethics
- XCOR 3020 - Engaging Global Issues
- Minor (6)
- Free Elective (3)

Semester Hours: 15

Senior Year

First Semester

- PHLT 4003 - Senior Seminar Case Studies
- Minor (6)
- Human Behavior (3)
- Free Elective (2)

Semester Hours: 14

Second Semester

- PHLT 4004 - Senior Internship (Senior Capstone)
- PHLT 4999 - Senior Comprehensive Exam
- Free Elective (3)

Semester Hours: 12

Summary: B.S. Program in Public Health Sciences

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
- Quantitative Reasoning (3, MATH 1020)

Explorations: 22

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)

- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (4, BIOL 1230/BIOL 1230L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 47

- PHLT 1001 - Introduction to Public Health
- PHLT 1002 - Nutrition and Health
- PHLT 2001 - Behavioral Theories in Public Health
- PHLT 2002 - Health Promotion Program Planning & Evaluation
- PHLT 2004 - Introduction to Environmental Health
- PHLT 3001 - Introduction to Epidemiology
- PHLT 3004 - Research Methods
- PHLT 4002 - Introduction to Global Health
- PHLT 4003 - Senior Seminar Case Studies
- PHLT 4004 - Senior Internship (Senior Capstone)
- PHLT 4999 - Senior Comprehensive Exam
- PHIL 2400 - Health Ethics
- BIOL 1240L - General Biology II Laboratory
- BIOL 1240 - General Biology II
- STAT 2021 - Statistical Methods II

Minor: 18

Free Electives: 14

Total Hours: 120

*All Public Health Science majors must take the Comprehensive Exam and score at least 70% to pass in order to register for PHLT 4004 (Senior Internship).

Minor

Public Health Sciences Minor

Required Courses

Students selecting a minor in Public Health Sciences must complete a minimum of 18 semester hours of courses offered within the Department of Public Health Sciences at Xavier University of Louisiana. Students who elect to take

upper level courses must meet the prerequisites for those courses, if they are required. Students interested in establishing a minor in Public Health Sciences must take ALL of the following courses:

- PHLT 1001 - Introduction to Public Health
- PHLT 1002 - Nutrition and Health
- PHLT 2001 - Behavioral Theories in Public Health
- PHLT 2002 - Health Promotion Program Planning & Evaluation
- PHLT 3001 - Introduction to Epidemiology
- PHLT 4003 - Senior Seminar Case Studies

Certificate

Health Communication Certificate

The curriculum consists of four courses totaling 16 credit hours. Three of four courses are offered online which include both required courses. The remaining course is offered in a traditional face-to-face format. Students can complete the program in a total of 6-9 months.

Required Courses (7 hours)

- CMST 1080 - Health Communication
- CMST 4131 - Independent Study
- PHLT 1001 - Introduction to Public Health

Communication Studies Elective Courses (3 hours)

- CMST 1400 - Interpersonal Communication
- CMST 1500 - Intercultural Communication
- CMST 3030 - Race, Culture and Communication
- CMST 3040 - Small Group Communication

Public Health Sciences Elective Courses (6 hours)

- PHLT 2002 - Health Promotion Program Planning & Evaluation
- PHLT 2004 - Introduction to Environmental Health
- PHLT 4002 - Introduction to Global Health
- PHLT 4003 - Senior Seminar Case Studies

Department of Speech Pathology

Division of Biological and Applied Health Sciences

Xavier South Suite 510 - (504) 520-5087 - https://www.xula.edu/department?id=speech_pathology

The Speech Pathology department offers both undergraduate and graduate degrees.

Bachelor of Science in Speech Pathology

Xavier University's Speech Pathology Program is a four-year undergraduate program that provides students a thorough pre-professional foundation in theoretical and foundational knowledge of human communication sciences and disorders. The Program provides a didactic learning environment characterized by academic education and clinical experiences. Students complete coursework related to the acquisition of speech, language, and hearing and on the nature, prevention, evaluation, and treatment of communication disorders. Scenario-based learning is embedded into classroom instruction using projects/ observations, computer-based simulations and research. Learning activities challenge students to use analytical and critical thinking skills to solve problems related to individuals with communication disorders. Students who attain competency with these pre-clinical skills will be allowed to participate in clinical experiences in Xavier's Speech and Hearing Clinic.

Students who successfully complete the Program are awarded the Bachelor of Science degree in Speech Pathology and are prepared for graduate study in speech-language pathology or audiology. Students should be aware that a Master's degree and certification/licensure are required to practice as a speech-language pathologist and a Doctorate degree and certification/licensure are required to practice as an audiologist. Service to the community and undergraduate research are two important components of each student's academic experience in the Department.

Students who want to obtain a Provisional Speech-Language Pathology Assistant (SLPA- Provisional) License in the state of Louisiana must obtain at least 100 clinical hours and must plan their program of study with the Speech Pathology Academic Advisor with approval by the Department Head during the junior year.

Learning Outcomes

In addition to satisfying the goals of the Core Curriculum, this program is designed to:

a. provide adequate preparation for entry into a graduate program in speech-language pathology or audiology;
b. provide students with an experiential learning situation (observations and clinical practicum) to facilitate transference of their theoretical knowledge into the practical situation; and
c. instill values of professionalism and awareness of providing service to others.

The Department houses the Xavier University Speech and Hearing Clinic and Xavier's Chapter of the National Student Speech Language Hearing Association. The Speech and Hearing Clinic provides both evaluations and treatment for all types of communication disorders to students, staff and local residents. The National Student Speech Language Hearing Association (NSSLHA) is the national organization for graduate and undergraduate students interested in the study of normal and disordered human communication. NSSLHA is the only official national student association recognized by the American Speech-Language- Hearing Association (ASHA).

For degree credit, Department majors must earn a "C" or better in all of their required major courses. Except in unusual circumstances, any student who has to repeat two or more major required courses because of a grade of "D" or "F" by the middle of their junior year will not be permitted to continue as a speech pathology major. All majors are required to pass a comprehensive examination. Majors may take the comprehensive examination no more than twice in an academic year. Majors must earn a grade of "C" or better in Articulation Disorders (SPTH 3920), Language Disorders (SPTH 3010) and Introduction to Clinic (SPTH 3760) in order to take Clinical Practicum (SPTH 4601P/SPTH 4602P). All majors are expected to attend all departmental meetings.

Master of Science in Speech-Language Pathology

The Master of Science (MS) in Speech-Language Pathology is a two year, 51-credit hour program that includes 41 semester hours of academic coursework and 10 hours of clinical course work.

This program is designed to adequately prepare Speech-Language Pathologists to have the essential academic knowledge, clinical skills and reflective ethical practices that enable them to enter the profession, to become lifelong learners, to serve others, to be advocates for individuals who have communicative disorders, to understand, appreciate and respect culturally and linguistically diverse communities, and to become successful leaders within the profession of speech pathology and, more generally, in society.

The primary learning outcomes identified for the Master of Science in Speech-Language Pathology are that graduates of the program will have:

- Demonstrated knowledge of the biological sciences, physical sciences, statistics, and the social/behavioral sciences;
- Demonstrated knowledge of basic human communication and swallowing processes, including the appropriate biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases;
- Demonstrated the ability to integrate information pertaining to normal and abnormal human development across the life span;
- Demonstrated knowledge of communication and swallowing disorders and differences, including the appropriate etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates;
- Demonstrated current knowledge of the principles and methods of prevention, assessment, and intervention for people with communication and swallowing disorders across the lifespan;
- Demonstrated knowledge of standards of ethical conduct;
- Demonstrated knowledge of processes used in research and of the integration of research principles into evidence-based clinical practice;
- Demonstrated knowledge of contemporary professional issues;
- Demonstrated knowledge of entry level and advanced certifications, licensure, and other relevant professional credentials, as well as local, state, and national regulations and policies relevant to professional practice; and
- Demonstrated skills in oral and written or other forms of communication sufficient for entry into professional practice.

For more information about the Master of Science in Speech-Language Pathlogy and graduate program policies, visit the Graduate Programs page.

Graduate Degree

Speech-Language Pathology, M.S.

The Master's program in Speech-Language Pathology at Xavier University of Louisiana is an Applicant for Candidacy by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association, 2200 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or 301-296-5700. Pending pre-accreditation

The program is intended to be completed in two calendar years or five-six academic semesters, including summers. Students will obtain coursework that may include distance learning, in class, and/or hybrid teaching and clinical practica both on and off campus in at least three different settings (clinic, school, hospital/rehabilitation center/nursing facility). The curriculum includes 51 semester hours.

First Year

Fall Semester

- SPTH 5000 - Neuroanatomy
- SPTH 5010 - Language Learning Disorders
- SPTH 5030 - Research Methods
- SPTH 5070 - Clinical Practicum I

Semester Hours: 11

Spring Semester

- SPTH 5015 - Diagnostic Methods
- SPTH 5050 - Dysphagia
- SPTH 5025 - Aphasia & Cognitive Disorders
- SPTH 5075 - Clinical Practicum II

Semester Hours: 11

Summer Semester

- SPTH 5035 - Voice Disorders
- SPTH 5040 - Early Intervention
- SPTH 5080 - Clinical Practicum III

Semester Hours: 8

Second Year

Fall Semester

- SPTH 5020 - Motor Speech Disorders
- SPTH 5045 - Augmentative & Alternative Communication
- SPTH 5055 - Fluency Disorders
- SPTH 5085 - Clinical Practicum IV

Semester Hours: 11

Spring Semester

- SPTH 5060 - Multicultural Issues
- SPTH 5065 - Professional Issues
- SPTH 5090 - Externship

Semester Hours: 10

Total Hours: 51

Major

Speech Pathology, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- BIOL 1030 - General Biology (Non-science majors) (Scientific Reasoning)
- BIOL 1030L - General Biology Laboratory (Non-science majors)
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)
- PSYC 1010 - Introductory Psychology (Human Behavior)
- SPTH 1320 - Introduction to Communication Disorders
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 16

Second Semester

- SPTH 2310 - Phonetics

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
    - The Human Past (3)
    - Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- SPTH 2340 - Anatomy and Physiology of Speech and Hearing Mechanism
    - The Examined Life (3)
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- SPTH 2730 - Normal Language Development
    - Faith and Society (3)
- Free Elective (3)
- PHYS/CHEM (3)
- Minor (3)

Semester Hours: 15

Junior Year

First Semester

- SPTH 3010 - Language Disorders
- SPTH 3920 - Articulation and Phonological Disorders
- Free Elective (3)
- Minor (3)
- XCOR 3010 - Engaging the Mission

Semester Hours: 15

Second Semester

- SPTH 2510 - Speech Science
- SPTH 3020 - School-Age Language and Literacy Disorders
- Free Elective (3)
- SPTH 3760 - Introduction to Clinic
  Minor (3)

Semester Hours: 15

Senior Year

First Semester

- SPTH 3335 - Audiology
- SPTH 4601P - Clinical Practicum in Speech Pathology
- Minor (3)
- XCOR 3020 - Engaging Global Issues
- Free Elective (3)

Semester Hours: 14

Second Semester

- SPTH 3340 - Aural Rehabilitation
- SPTH 4580 - Acquired Disorders
- SPTH Elective (2)
- Minor (6)

Semester Hours: 14

Summary: Program in Speech Pathology

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3, PSYC 1010)
- The Human Past (3)
- Scientific Reasoning (3, BIOL 1030/BIOL 1030L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 45

- SPTH 1320 - Introduction to Communication Disorders
- SPTH 2310 - Phonetics

- SPTH 2340 - Anatomy and Physiology of Speech and Hearing Mechanism
- SPTH 2510 - Speech Science
- SPTH 2730 - Normal Language Development
- SPTH 3920 - Articulation and Phonological Disorders
- SPTH 3010 - Language Disorders
- SPTH 3335 - Audiology
- SPTH 3340 - Aural Rehabilitation
- SPTH 3760 - Introduction to Clinic
- SPTH 4601P - Clinical Practicum in Speech Pathology
- SPTH 3020 - School-Age Language and Literacy Disorders
- SPTH 4580 - Acquired Disorders
- SPTH 4999 - Senior Comprehensives
- *SPTH Elective (2)
- PHYS/CHEM (3)

Minor: 18

Free Electives: 17

Total Hours: 120

*Students who wish to become Speech-Language Pathology Assistants should take SPTH 4602P as their SPTH elective.

Minor

Speech Pathology Minor

Required Courses

This program consists of 19 Semester Hours in Speech Pathology of which the following are required:

- SPTH 1320 - Introduction to Communication Disorders
- SPTH 2310 - Phonetics
- SPTH 2340 - Anatomy and Physiology of Speech and Hearing Mechanism

Total Hours: 19

Nine hours must be taken from any of the other SPTH courses with the exception of clinical practicum courses. Students who minor in Speech Pathology are not allowed to take clinical practicum courses.

Division of Business

Xavier South 330 - (504) 520-7505 - https://www.xula.edu/division?id=business

The mission of the Division of Business is to prepare tomorrow's socially responsible business leaders. Consistent with the University's mission, the Division prepares its students by providing them with the necessary skill set to perform early in their career in addition to the strategic and moral thought processes to be leaders in their organizations and society in general. The Division of Business has the overall goal of enabling students to integrate knowledge from various disciplines in order that they may make significant contributions in the business profession and accomplish the mission of assuming leadership roles in society. In the Division of Business at Xavier University of Louisiana we are Business Intelligent, Morally Focused, Educators, Success Driven and Passionate.

The division is accredited by the Accreditation Council for Business Schools and Programs (ACBSP). This accreditation certifies that the teaching and learning processes within the Business Division meet the rigorous educational standards established by ACBSP. In line with ACBSP's mission, the division strives to establish, promote, and recognize educational practices that contribute to the continuous quality improvement of its business education programs, the teaching of its business courses, and students' learning outcomes.

The division's objectives are attained through the university core curriculum, the business core program, and an elective area in business. The division offers two degree programs: (1) Accounting and (2) Business. In the Business major, a student is required to choose one of the following three areas of concentration: Finance, Management, or Sales and Marketing. Students with a major in the Division of Business need not declare a separate minor. The minor is automatically selected by the curriculum chosen by the student.

The division offers an ideal program which includes foundational requirements (introductory courses), requirements that provide breadth in the discipline (elective courses), a depth dimension which probes the structure more deeply (major courses), and a capstone experience, whereby students apply their knowledge and skills in creative and systematic ways through research and writing.

Students majoring in Accounting must earn a grade of "C" or better in all Accounting courses (designated as ACCT). The accounting program prepares students for the Certified Public Accountant (C.P.A.) examination. The Louisiana State Board of Certified Public Accountants requires candidates to have a college degree and a minimum of 150 degree credit hours to take the C.P.A. Exam.

Students majoring in Business must earn a grade of "C" or better in all courses in the respective concentration (See Concentration Requirements in the Program in Business).

All divisional majors and minors must earn a cumulative average of 2.0 in their divisional courses. Majors are also required to pass a comprehensive examination in their specific programs for graduation.

Senior Comprehensive Examination - In their senior year, all majors in the Division of Business are required to register for and successfully complete a written examination comprehensive of general topics covered during the course of their specific academic programs. In the catalog this is designated as ACCT 4999 (for Accounting majors), BSAD 4999 (for Business-Management), FINC 4999 (for Business-Finance), and SMKT 4999 (for Business-Sales and Marketing). The comprehensive examination is a two-hour test that assesses students' skills in their specific concentration. Students who do not successfully complete the examination after a re-take must re-register for the exam in the subsequent semester.

Xavier-Tulane MBA and Graduate Programs - The Division of Business has three joint programs with Tulane University's Freeman School of Business. These programs are: Master of Business Administration (MBA), Master of Accounting (MACCT), and Master of Finance (MFIN). Students are admitted to these programs while they are attending Xavier and may receive tuition assistance. The MBA program requires students to have at least two years of work experience prior to starting their graduate work. Graduate studies can begin immediately upon completion of the undergraduate degree in the MACCT and MFIN programs. Those interested in the program should consult with the Chair of the Business Division for further details.

Honors in Business - Students either majoring or minoring in any academic program in the Division of Business qualify for the distinction of "Honors in Business" by having an overall GPA of at least 3.3. In addition, majors must earn a GPA of at least a 3.5 in their concentration courses, and minors must earn a GPA of at least a 3.5 in their minor coursework.

The Division of Business offers the following minors for students in other departments. All minors must earn a 2.0 average in their minor courses:

Minor in Accounting
Minor in Business Administration
Minor in Financial Economics
Minor in Entrepreneurship
Minor in Sales and Marketing

Major

Accounting, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

During the sophomore year divisional majors begin to study in one of two programs: Accounting or Business. Students with a Business major must select a concentration in Finance, Management, or Sales and Marketing.

First Semester

- ACCT 1010 - Principles of Accounting
- XCOR 1000 - College Experience
- College Writing (3)
    - Quantitative Reasoning (3)
- Free Elective (3)

Semester Hours: 14

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Creative Expression and Engagement (3)
    - Advanced Rhetoric and Composition (3)
    - The Human Past (3)
    - Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- ACCT 2010 - Intermediate Accounting I
- ECON 2010 - Principles of Micro Economics
- ECON 2070 - Statistics I
- MGMT 2060 - Principles of Management
    - African American Heritage and Legacies (3)

Semester Hours: 15

Second Semester

- ACCT 2020 - Intermediate Accounting II
- BSAD 2011 - Business Communications
- ECON 2020 - Principles of Macro Economics
- ECON 2080 - Statistics II
- SMKT 2050 - Principles of Marketing
- Free Elective (3)

Semester Hours: 18

Junior Year

First Semester

- ACCT 3010 - Advanced Accounting
- ACCT 3070 - Cost Accounting
- BSAD 2200 - International Business
- BSAD 3055 - Quantitative Analysis
- XCOR 3010 - Engaging the Mission

Semester Hours: 15

Second Semester

- BSAD 2030 - Business Law
- XCOR 3020 - Engaging Global Issues
- ACCT 3030 - Tax Accounting
- ACCT 3090 - Governmental Accounting
    - Faith and Society (3)

Semester Hours: 15

Senior Year

First Semester

- ACCT 4040 - Advanced Tax Accounting
- BSAD 3195 - Computer-Based Information Systems
- FINC 3050 - Corporate Finance
- Free Elective (4)

Semester Hours: 13

Second Semester

- ACCT 3040 - Auditing
- ACCT 4000 - Seminar
- BSAD 4000 - Strategic Management (Senior Capstone)
    - Scientific Reasoning (3)
    - The Examined Life (3)

Semester Hours: 15

Summary: Program in Accounting

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Rhetoric and Composition (3)
    - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3*)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 49

- ACCT 1010 - Principles of Accounting
- ACCT 2010 - Intermediate Accounting I
- ACCT 2020 - Intermediate Accounting II
- ACCT 3010 - Advanced Accounting
- ACCT 3030 - Tax Accounting
- ACCT 3040 - Auditing
- ACCT 3070 - Cost Accounting
- ACCT 3090 - Governmental Accounting
- ACCT 4000 - Seminar
- ACCT 4040 - Advanced Tax Accounting
- ACCT 4999 - Senior Comprehensives
- ECON 2010 - Principles of Micro Economics *
- ECON 2020 - Principles of Macro Economics *
- ECON 2070 - Statistics I
- ECON 2080 - Statistics II
- FINC 3050 - Corporate Finance
- MATH 1030 - Pre-Calculus (1 of 4)
- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing

Minor: 18

- BSAD 2011 - Business Communications
- BSAD 2030 - Business Law
- BSAD 3055 - Quantitative Analysis
- BSAD 3195 - Computer-Based Information Systems
- BSAD 2200 - International Business
- BSAD 4000 - Strategic Management

Free Electives: 13

Total Hours: 120

*ECON 2010 or ECON 2020 will be credited for Human Behavior

Business, B.S. (with concentration in Finance)

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

During the sophomore year divisional majors begin to study in one of two programs: Accounting or Business. Students with a Business major must select a concentration in Finance, Management, or Sales and Marketing.

First Semester

- ACCT 1010 - Principles of Accounting
- XCOR 1000 - College Experience
- College Writing (3)
    - Quantitative Reasoning (3)
- Free Elective (3)

Semester Hours: 14

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Creative Expression and Engagement (3)
    - Advanced Rhetoric and Composition (3)
    - The Human Past (3)
    - Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- ECON 2010 - Principles of Micro Economics
- ECON 2070 - Statistics I
- MGMT 2060 - Principles of Management
- ACCT 2050 - Managerial Accounting
    - Faith and Society (3)

Semester Hours: 15

Second Semester

- BSAD 2011 - Business Communications
- ECON 2020 - Principles of Macro Economics
- ECON 2080 - Statistics II
- SMKT 2050 - Principles of Marketing
    - African American Heritage and Legacies (3)
    - Free Elective (3)

Semester Hours: 18

Junior Year

First Semester

- BSAD 3055 - Quantitative Analysis
- BSAD 2200 - International Business
- XCOR 3010 - Engaging the Mission
- ACCT 2010 - Intermediate Accounting I
- FINC 3050 - Corporate Finance

Semester Hours: 15

Second Semester

- XCOR 3020 - Engaging Global Issues
- ACCT 2020 - Intermediate Accounting II
- BSAD 2030 - Business Law
- FINC 3060 - International Financial Management
- FINC Elective (3)

Semester Hours: 15

Senior Year

First Semester

- BSAD 3195 - Computer-Based Information Systems
- FINC 3010 - Monetary and Fiscal Policy
- FINC 3170 - Investments
    - Scientific Reasoning (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- BSAD 4000 - Strategic Management (Senior Capstone)
    - The Examined Life (3)
- Free Elective (1)
- FINC Elective (6)

Semester Hours: 13

Summary: Program in Business

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Rhetoric and Composition (3)
    - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3*)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 49

- ACCT 1010 - Principles of Accounting
- ACCT 2050 - Managerial Accounting
- BSAD 4999 - Senior Comprehensives
- Concentration (24)
- ECON 2010 - Principles of Micro Economics *
- ECON 2020 - Principles of Macro Economics *
- ECON 2070 - Statistics I

- ECON 2080 - Statistics II
- FINC 3050 - Corporate Finance
- MATH 1030 - Pre-Calculus (1 of 4)
- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing

Minor: 18

- BSAD 2011 - Business Communications
- BSAD 2030 - Business Law
- BSAD 2200 - International Business
- BSAD 3055 - Quantitative Analysis
- BSAD 3195 - Computer-Based Information Systems
- BSAD 4000 - Strategic Management

Free Electives: 13

Total Hours: 120

*ECON 2010 or ECON 2020 will be credited for Human Behavior.

Business, B.S. (with concentration in Management)

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

During the sophomore year divisional majors begin to study in one of two programs: Accounting or Business. Students with a Business major must select a concentration in Finance, Management, or Sales and Marketing.

First Semester

- ACCT 1010 - Principles of Accounting
- XCOR 1000 - College Experience
- College Writing (3)
    - Quantitative Reasoning (3)
- Free Elective (3)

Semester Hours: 14

Second Semester

- XCOR 1011 - Xavier Experience
  or

- XCOR 1012 - New Orleans Experience
    - Creative Expression and Engagement (3)
    - Advanced Rhetoric and Composition (3)
    - The Human Past (3)
    - Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- ECON 2010 - Principles of Micro Economics
- ECON 2070 - Statistics I
- MGMT 2060 - Principles of Management
    - African American Heritage and Legacies (3)
    - Free Elective (3)

Semester Hours: 15

Second Semester

- ACCT 2050 - Managerial Accounting
- BSAD 2011 - Business Communications
- ECON 2020 - Principles of Macro Economics
- ECON 2080 - Statistics II
- SMKT 2050 - Principles of Marketing
    - Faith and Society (3)

Semester Hours: 18

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- BSAD 2200 - International Business
- BSAD 3055 - Quantitative Analysis
- MGMT 3120 - Human Resource Management
- MGMT 3140 - Organizational Behavior

Semester Hours: 15

Second Semester

- XCOR 3020 - Engaging Global Issues
- BSAD 3195 - Computer-Based Information Systems
- FINC 3050 - Corporate Finance
- MGMT 3160 - Project Management
- MGMT Elective (3)

Semester Hours: 15

Senior Year

First Semester

- BSAD 2030 - Business Law
- MGMT 3170 - Service Operations Management
- MGMT 3190 - Operations Management
- MGMT Elective (3)
    - Scientific Reasoning (3)

Semester Hours: 15

Second Semester

- MGMT 3180 - Leadership for the 21st Century
- BSAD 4000 - Strategic Management (Senior Capstone)
- Free Elective (4)
    - The Examined Life (3)

Semester Hours: 13

Summary: B.S. Program in Business (with concentration in Management)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Rhetoric and Composition (3)
    - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3*)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 49

- ACCT 1010 - Principles of Accounting
- ACCT 2050 - Managerial Accounting
- BSAD 4999 - Senior Comprehensives
- Concentration (24)
- ECON 2010 - Principles of Micro Economics *
- ECON 2020 - Principles of Macro Economics *
- ECON 2070 - Statistics I
- ECON 2080 - Statistics II
- FINC 3050 - Corporate Finance
- MATH 1030 - Pre-Calculus (1 of 4)
- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing

Minor: 18

- BSAD 2011 - Business Communications
- BSAD 2030 - Business Law
- BSAD 2200 - International Business
- BSAD 3055 - Quantitative Analysis
- BSAD 3195 - Computer-Based Information Systems
- BSAD 4000 - Strategic Management

Free Electives: 13

Total Hours: 120

*ECON 2010 or ECON 2020 will be credited for Human Behavior

Business, B.S. (with concentration in Sales & Marketing)

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

During the sophomore year divisional majors begin to study in one of two programs: Accounting or Business. Students with a Business major must select a concentration in Finance, Management, or Sales and Marketing.

First Semester

- ACCT 1010 - Principles of Accounting
- XCOR 1000 - College Experience
- College Writing (3)
    - Quantitative Reasoning (3)
- Free Elective (3)

Semester Hours: 14

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Creative Expression and Engagement (3)
    - Advanced Rhetoric and Composition (3)
    - The Human Past (3)
    - Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- ECON 2010 - Principles of Micro Economics
- ECON 2070 - Statistics I
- MGMT 2060 - Principles of Management
    - African American Heritage and Legacies (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- ACCT 2050 - Managerial Accounting
- BSAD 2011 - Business Communications
- ECON 2020 - Principles of Macro Economics
- ECON 2080 - Statistics II
- SMKT 2050 - Principles of Marketing
    - Faith and Society (3)

Semester Hours: 18

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- BSAD 2200 - International Business
- BSAD 3055 - Quantitative Analysis
- SMKT 3530 - Sales Force Management
- SMKT 3500 - Personal Selling

Semester Hours: 15

Second Semester

- XCOR 3020 - Engaging Global Issues
- BSAD 3195 - Computer-Based Information Systems
- FINC 3050 - Corporate Finance
- SMKT 3350 - Marketing Research
- SMKT Elective (3)

Semester Hours: 15

Senior Year

First Semester

- BSAD 2030 - Business Law
- SMKT 3060 - Marketing Strategy
- SMKT 3700 - Multivariate Data Analysis
    - Scientific Reasoning (3)

Semester Hours: 12

Second Semester

- BSAD 4000 - Strategic Management (Senior Capstone)

- SMKT 4000 - Sales and Marketing Seminar
    - The Examined Life (3)
- Free Elective (4)
- SMKT Elective (3)

Semester Hours: 16

Summary: B.S. Program in Business (with concentration in Sales & Marketing)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Rhetoric and Composition (3)
    - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3*)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 49

- ACCT 1010 - Principles of Accounting
- ACCT 2050 - Managerial Accounting
- BSAD 4999 - Senior Comprehensives
- Concentration (24)
- ECON 2010 - Principles of Micro Economics *
- ECON 2020 - Principles of Macro Economics *

- ECON 2070 - Statistics I
- ECON 2080 - Statistics II
- FINC 3050 - Corporate Finance
- MATH 1030 - Pre-Calculus (1 of 4)
- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing

Minor: 18

- BSAD 2011 - Business Communications
- BSAD 2030 - Business Law
- BSAD 2200 - International Business
- BSAD 3055 - Quantitative Analysis
- BSAD 3195 - Computer-Based Information Systems
- BSAD 4000 - Strategic Management

Free Electives: 13

Total Hours: 120

*ECON 2010 or ECON 2020 will be credited for Human Behavior

Minor

Accounting Minor

Required Courses

The minor in accounting consists of the following 18 hours of coursework:

- ACCT 1010 - Principles of Accounting
- ACCT 2010 - Intermediate Accounting I
- ACCT 2020 - Intermediate Accounting II
- Accounting Electives* 9

Total Hours: 18

**The six hours of Accounting electives must be courses at the 3000 or 4000 level.*

Business Administration Minor

Required Courses

The minor in business administration consists of the following 18 hours of coursework:

- ACCT 1010 - Principles of Accounting
- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing

- ECON 2010 - Principles of Micro Economics
  or
- ECON 2020 - Principles of Macro Economics

- Business Electives* 6

Total Hours: 18

**Business Electives must be selected from 3000- or 4000-level business courses with proper prerequisites or from ACCT 2010, ACCT 2020, or ACCT 2050.*

Entrepreneurship Minor

Required Courses

The minor in entrepreneurship is designed for any major on campus and consists of the following 18 hours of coursework:

- ENTR 1020 - Introduction to Entrepreneurship
- ACCT 1010 - Principles of Accounting
- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing
- ENTR 3021 - Financial Management for Entrepreneurs
- ENTR 3780 - Organization and Operation of a Small Business

Total Hours: 18

Financial Economics Minor

Required Courses

The minor in financial economics consists of the following 18 hours of coursework:

- ECON 2010 - Principles of Micro Economics
- ECON 2020 - Principles of Macro Economics

- ECON 3010 - Monetary and Fiscal Policy
  or
- FINC 3010 - Monetary and Fiscal Policy

- FINC 3050 - Corporate Finance
- Electives# 6

Total Hours: 18

#Electives must be selected from 3000- or 4000-level finance or economics courses with proper prerequisites.

Sales and Marketing Minor

Required Courses

The minor in Sales and Marketing consists of the following 18 hours of coursework:

- ACCT 1010 - Principles of Accounting
- SMKT 2050 - Principles of Marketing
- SMKT 3090 - Customer Relationship Management
- SMKT 3500 - Personal Selling
- SMKT 3530 - Sales Force Management
- Sales and Marketing Elective* 3

Total Hours: 18

**The elective may be selected from any of the following courses: SMKT 3060 (Marketing Decisions), SMKT 3350 (Marketing Research), SMKT 3550 (Consumer Behavior), SMKT 3600 (Promotional Strategy).*

Certificate

Entrepreneurship Certificate

The curriculum consists of 16 credit hours.The plan is for students to take 6 credits in Summer Session I, 6 credits in Summer Session II and the final 4 credits during fall semester. All four courses during summer sessions will be offered online and the fifth course may be offered online or in traditional face-to-face format in the fall semester.

Students earn a certification in Entrepreneurship by completing the required courses. A student can earn a certification in Entrepreneurship (16 credit hours) in a period of six to nine months.

Required Courses (16 hours)

- ENTR 1020 - Introduction to Entrepreneurship
- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing
- ENTR 3021 - Financial Management for Entrepreneurs
- ENTR 3780 - Organization and Operation of a Small Business
- BSAD 4501 - Special Topics in Business

Division of Education and Counseling

Library 503 - (504) 520-7536 - https://www.xula.edu/division?id=education_and_counseling

Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester.

Since 1925, when Xavier University of Louisiana was founded, it has accepted the sacred privilege and social responsibility of preparing well-qualified teachers for public and private elementary and secondary schools. The University continues to train future teachers who possess a deep sense of social and civic responsibility, who are liberally educated and who possess the philosophical principles, and the professional character essential to their vocation and career. The goal of the Division of Education and Counseling is the development of reflective professionals who are collaborative change agents toward a more just and humane society.

The Division of Education and Counseling infuses all curricula with understandings that recognize and develop the gifts and rich heritage each person brings to the respective program. The Division identifies six core values: spirituality, diversity, professionalism, inquiry, competence, and innovation. These constructs are interconnected with one another and to the goals of the Division.

Multiple assessments are used in the Division to monitor candidate performance and improve operations and programs. The unit systematically collects and analyzes data at specific checkpoints through the Trac-DAT Assessment System.

The Division of Education and Counseling received reaccreditation by the National Council for Accreditation of Teacher Education (NCATE) in April 2011. This signifies that the graduates have been prepared according to accepted national standards of excellence and that the programs meet high standards in areas including program design, delivery, and quality of faculty. Xavier was the first private college in Louisiana to receive this prestigious rating. NCATE is now known as the Council for the Accreditation of Educator Preparation (CAEP). The division received reaccredition by CAEP in October 2017. Additionally, the Counseling program was accredited by the Council for Accreditation of Counseling and Related Education Programs (CaCREP) in 2015. The program was reviewed against high professional standards that assure the quality of its accountability system, its faculty, and its graduates.

Curricula and Educational Outcomes - The Division of Education and Counseling offers the Bachelor of Arts and Bachelor of Science degrees leading to Louisiana teacher certification in grade levels 1-5 (elementary), and 4-8 (middle school), as well as, in the secondary areas of Art, Biology, Chemistry, English, Foreign Language (French and Spanish), Mathematics, Music, and Social Studies.

The requirements of the Education programs consist of courses in general education, knowledge of the learner and the learning environment, methodology in teaching, and a year-long residency. Monitored and sequenced field experiences provide opportunities for the candidate to apply the theoretical framework in various classroom settings.

The program in Elementary Education (grades 1-5) prepares teacher candidates to understand and meet the needs of elementary students. Courses such as methods of teaching elementary school, classroom management, and child psychology are designed to prepare teacher candidates to be competent professionals who possess the professional and technical knowledge and skills to assess, plan, develop, implement and evaluate an elementary curriculum that promotes student engagement and learning.

The program in Middle School Education (grades 4-8) prepares teacher candidates to understand and meet the needs of the young adolescent. Candidates will specialize in mathematics or science. Courses such as adolescent psychology and middle school teaching strategies are designed to prepare these teacher candidates to become competent professionals who can guide and facilitate classroom interactions to meet the learning needs of this diverse population of students.

The programs in secondary education prepare teacher education candidates to understand and meet the needs of students in grades 6-12. Candidates gain specific content knowledge and teaching pedagogy to become competent professionals who can guide and facilitate secondary classroom interactions to meet the learning needs of a diverse population of students.

Students who transfer from other departments within the university must have a minimum cumulative GPA of 3.0 and must have a grade of "C" or better in each course.

Standards and Procedures for Admission to and Retention in the Teacher Education Program - Candidates majoring in education must complete all of the requirements in the following areas.

Portal I - Admission to the University

See the Admission section for information about admission to the University.

Portal II - Criteria for Admission to the Teacher Education Program (TEP)

Eligibility Requirements for Admission into the TEP are:

1. Achievement of at least a 3.0 cumulative average in all coursework;
2. Achievement of at least a "B" grade in coursework within the approved undergraduate program, with the exception of the general education requirements required by the university and the state for certification;
3. Completion of all required developmental work;
4. Achievement of passing scores on all parts of Praxis (Note that students with a composite of 22 on the ACT and 1030 on the SAT are exempt from Praxis I.);
5. Membership in a professional organization specific to education (e.g., LAE/SP, LAHPERD, CEC/SP);
6. Completion of a Background Check;
7. Achievement of a satisfactory rating on an interview with the Teacher Education Admissions Committee; and
8. Satisfactory review of an electronic professional development portfolio.

Students who are not initially admitted to the TEP may reapply for admission the next semester. However, applications from students who have been denied admission to the program twice will not be accepted. Students who do not get admitted into the TEP may not take junior- and senior-level education courses according to Louisiana's legal regulations for education majors.

Students are eligible to continue their programs provided they meet the following strictly enforced criteria:

1. Maintain a minimum 3.0 cumulative average for all coursework;
2. Receive grades of "B" or above in coursework within the approved undergraduate program, with the exception of the general education requirements required by the university and the state for teacher certification;
3. Remain in good standing and not be placed on academic probation for two consecutive terms; and
4. Maintain membership in at least one professional organization.

Portal III - Student Teaching--Standards and Admission Procedures

The eligibility requirements for Residency are:

1. Formal acceptance into the Teacher Education Program;
2. Receive grades of "B" and above in all coursework within the approved undergraduate program, with the exception of the general education requirements required by the university and the state for teacher certification;
3. Complete a minimum of all required courses in the prescribed program of study (senior standing) with a cumulative average of 2.5 in all course work and 3.0 in courses in the major teaching field and professional education;
4. Achievement of passing scores on appropriate Praxis II (content) and must have taken the PLT (grade level) exam;
5. Maintain membership in at least one professional organization; and
6. Complete a professional portfolio.

Registration for Residency

The applicant should file an application with the Coordinator of Clinical Practicums after securing proper clearance from his or her departmental advisor(s) and the Registrar's Office. The deadline for submission of this application is the pre-registration period one full semester prior to the semester in which the student plans to complete residency.

Portal IV - Teacher Education Graduation

In order to graduate as a teacher education major and to obtain teacher certification, each candidate must:

1. Achieve a 3.0 cumulative average for all coursework taken;
2. Earn all grades of "B" in coursework within the approved undergraduate program, with the exception of the general education requirements required by the university and the state for teacher certification;
3. Achieve a passing score on the PLT (grade level) exam;
4. Maintain membership in at least one professional organization;
5. Complete an electronic professional development portfolio; and
6. Complete the application for certification.

Teaching Certificates - Application for a Louisiana teaching certificate is made in the Division of Education and Counseling Office.

Graduate Programs

Click here for more information on Graduate Programs

Add-On Certificate

Educational Technology Facilitator Add-On

Candidates must have a valid teaching certificate at the bachelor's level and complete the following nine credit hours of coursework:

Required Courses

- EDCG 5500 - Instructional Technology
- EDCG 5600 - Advanced Instructional Technology
- EDCG 5700 - Technology Leadership in Schools

Reading Specialist Add-On

Candidates must have a valid teaching certificate at the master's degree level and complete the following twelve credit hours of coursework:

Required Courses

- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5140 - Reading in the Content Area
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading

Special Education Add-On

Required Courses

- EDCI 5440 - The Exceptional Child
- EDCI 5051 - Methods and Materials for the Mildly/Moderately Disabled

- EDCI 5055 - Vocational and Transition Services
- EDCG 5500 - Instructional Technology
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate

Teacher Leader Add-On

Candidates must have a valid teaching certificate at the bachelor's level and complete the following eight credit hours of coursework:

Required Courses

- EDLD 5000 - Visionary Leadership
- EDLD 5000I - Visionary Leadership Internship
- EDLD 5015 - Collaborative Leadership
- EDLD 5015I - Collaborative Leadership Internship

Graduate Degree

All Levels Grades K-12, M.A.T.

(Art, Dance, Chinese, French, Spanish, Health & Physical Education, Music-Instrumental and Vocal)

Required Courses

Knowledge of the Learner and the Learning Environment (15 semester hours)

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5042 - Classroom Organization and Management
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5282 - Survey of Assessment

Methodology and Teaching (15 semester hours)

- EDCG 5500 - Instructional Technology
- EDCI 5140 - Reading in the Content Area
- EDCI 5060 - Multicultural Education
- EDCI 5340 - Elementary School Curriculum
- EDCI 5380 - Secondary School Curriculum

Teaching and Internship (6 semester hours)

- EDST 5372A - Internship in Student Teaching (Full Year)
- EDST 5372B - Internship in Student Teaching (Full Year)

or

- EDUC 5380 - Student Teaching (One Semester)
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction PRAXIS PLT

Total Hours: 36

Counseling, M.A.

The Counseling Program offers two specialty areas: school counseling and clinical mental health counseling. Both specializations meet the academic requirements of the Louisiana Professional Counselors Board of Examiners leading to licensure as a Licensed Professional Counselor (LPC). The school counseling specialization meets the State of Louisiana Administrative Code Section 405 requirements for a three-year school counselor K-12 ancillary certificate; upon verification of three years of successful experience as a school counselor, this certificate becomes valid for life of continuous service.

Required Courses

Area A/Core I

- COUN 5000 - Research Methodology & Program Evaluation
- COUN 5005 - Foundations & Ethics of the Counseling Profession
- COUN 5010 - Counseling Theories
- COUN 5015 - Counseling Techniques
- COUN 5020 - Lifestyle and Career Development
- COUN 5025 - Human Growth and Development

Area B/Core II and Specialization

- COUN 5100 - Group Work in Counseling
- COUN 5105 - Appraisal & Assessment in Counseling
- COUN 5110 - Psychopathology and Diagnosis
- COUN 5115 - Family and Systems Counseling
- COUN 5120 - Crisis, Trauma, Grief and Loss Counseling
- COUN 5125 - Social & Cultural Diversity in Counseling
- COUN 5130 - Behavior Disorders of Children and Adolescents

School Counseling Specialization

- COUN 5300 - School Counseling: Principles & Administration

Clinical Mental Health Counseling Specialization

- COUN 5310 - Clinical Mental Health Counseling: Principles & Practices
- COUN 5515 - Advanced Counseling Techniques

Electives

- See elective course offerings that follow 6

Area C/Professional Clinical Experience

- COUN 5400 - School Counseling Practicum
- COUN 5410 - Clinical Mental Health Counseling Practicum
- COUN 5500 - School Counseling Internship I
- COUN 5510 - Clinical Mental Health Counseling Internship I
- COUN 5600 - School Counseling Internship II
- COUN 5610 - Clinical Mental Health Counseling Internship II
- COUN 5999S - School Counseling Comprehensive Examination
- COUN 5999M - Clinical Mental Health Counseling Comprehensive Examination

Total Semester Hours Required: 60

Elective Course Offerings

- COUN 5030 - Substance Abuse and Addictions Counseling
- COUN 5035 - Clinical Perspectives in Human Sexuality
- COUN 5040 - Spirituality in Counseling
- COUN 5135 - Introduction to Play Therapy
- COUN 5140 - Advanced Play Therapy
- COUN 5200 - Special Topics in Counseling
- COUN 5320 - Marriage, Couple & Family Counseling: Principles & Practices
- COUN 5325 - Couples & Relationships Counseling
- COUN 5700 - Thesis in Counseling

Curriculum and Instruction - Reading Specialist, M.A.

This advanced level program is designed to prepare the highly qualified, certified classroom teacher with the skills necessary to effectively teach reading in grades K-12. This program meets current Louisiana state requirements for coursework leading to add-on certification as a Reading Specialist.

Required Courses

- EDCG 5000 - Statistics
- EDCG 5083 - Special Problems in Research
- EDCG 5010 - Research
- GENG 5160 - Writing Across the Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5810 - Special Topics in Literacy Education
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading
- EDCI 5210 - Clinical Practicum in Reading
- EDCI 5820 - Advanced Seminar in Children's Literature
- EDCG 5775 - School-Age Language Learning Problems

- EDCI 5140 - Reading in the Content Area

- EDCI 5700 - Thesis Writing
  or
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction

Total Hours: 36-39

Note:

Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Curriculum and Instruction Special Interest - Non Certification, M.A.

This program is designed to prepare candidates to work in schools and other educational settings concentrating on technology, teacher leader, or curriculum development. Teachers who are already certified may qualify for an add on endorsement in instructional technology or teacher leader upon completion of the specific M.A. program of study.

Required Courses

- EDCG 5000 - Statistics
- EDCG 5010 - Research
- EDCG 5090 - Advanced Educational Psychology

- EDCI 5340 - Elementary School Curriculum
  or
- EDCI 5380 - Secondary School Curriculum

- EDCI 5060 - Multicultural Education
- EDCI 5140 - Reading in the Content Area
- EDCI 5440 - The Exceptional Child
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction
- Elective courses (require advisor approval) 15

Total Hours: 36

Note:

Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Curriculum and Instruction Special Interest - Teacher Leader - Non Certification, M.A.

This program is designed to prepare candidates to work in schools and other educational settings concentrating on technology, teacher leader, or curriculum development. Teachers who are already certified may qualify for an add on endorsement in instructional technology or teacher leader upon completion of the specific M.A. program of study.

Required Courses

- EDLD 5015 - Collaborative Leadership
- EDLD 5015I - Collaborative Leadership Internship
- EDLD 5000 - Visionary Leadership
- EDLD 5000I - Visionary Leadership Internship
- EDCG 5000 - Statistics
- EDCG 5010 - Research
- EDCG 5090 - Advanced Educational Psychology

- EDCI 5340 - Elementary School Curriculum
  or
- EDCI 5380 - Secondary School Curriculum

- EDCI 5060 - Multicultural Education
- EDCI 5140 - Reading in the Content Area
- EDCI 5440 - The Exceptional Child
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction
- Elective courses (require advisor approval) 6

Total Hours: 35

Note:

Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Educational Leadership, Ed.D.

The terminal degree in educational leadership is designed to prepare visionary leaders who are socially just, promote reflection, and foster transformation in an ever changing profession. This action-oriented program focuses on leadership values that include social justice and inclusion of all organization's stakeholders.

Required Courses

60 hours - Three Years - Cohort Program

Fall First Year

- EDLD 6000 - Advanced Visionary Leadership
- EDLD 6002 - Current Problems & Issues in Educational Leadership
- EDLD 6008 - Leadership Theory and Behavior

Spring First Year

- EDLD 6010 - Long Range Planning and Data Analysis
- EDLD 6030 - Leading a Professional Learning Community
- EDLD 6018 - Special Problems in Research in Educational Leadership

Summer First Year

- EDLD 6012 - Advanced Educational Law
- EDCG 6000 - Research Methodology and Statistics in Education

Fall Second Year

- EDLD 6020 - School Business Management
- EDLD 6050 - Organizational Behavior and Human Resource Management
- EDCG 6010 - Quantitative Research Methods

Spring Second Year

- EDLD 6040 - The Urban School: Leading to Promote Learning in a Diverse Setting
- EDLD 6060 - Current Issues in Special Education Leadership
- EDCG 6012 - Qualitative Research Methods

Summer Second Year

- EDLD 6014 - Education in the Urban Community
- EDLD 6025 - Organizations and Policy
- EDLD 6999O - Oral Qualifying Exam
- EDLD 6999W - Written Qualifying Exam

Fall Third Year

- EDLD 6996 - Dissertation

Spring Third Year

- EDLD 6996 - Dissertation

Total Credit Hours: 60

Note: If additional time is needed to complete the dissertation, candidates can enroll in the following courses after the third year: EDLD 6991 and EDLD 6992.

Educational Leadership, M.A.

This advanced level program provides kindergarten to grade 12 perspectives of educational issues that impact teaching and learning. It is designed to prepare educators to be leaders as teachers, principals, and central office administrators. The program meets current Louisiana state requirements for the required coursework for an advanced degree and state Educational Leadership certification or an advanced degree, only. To complete the certification process the applicant must pass the state licensure examination, hold a valid Type A teacher certificate and have evidence of three successful years of teaching.

Required Courses

- EDLD 5000 - Visionary Leadership
- EDLD 5000I - Visionary Leadership Internship
- EDCG 5000 - Statistics
- EDLD 5015 - Collaborative Leadership
- EDLD 5015I - Collaborative Leadership Internship
- EDLD 5570 - Management of School Personnel and Finance
- EDLD 5570I - Management of School Personnel and Finance Internship
- EDLD 5540 - Educational Law
- EDLD 5540I - Educational Law Internship
- EDLD 5060 - Curriculum Progression
- EDLD 5060I - Curriculum Progression Internship
- EDLD 5020 - Supervision of Instruction and Assessment
- EDLD 5020I - Supervision of Instruction and Assessment Internship
- EDCG 5010 - Research
- EDLD 5040 - Organizational Leadership
- EDLD 5040I - Organizational Leadership Internship
- EDLD 5580 - Capstone Seminar for Educational Leaders
- EDLD 5999 - Comprehensive Examination in Educational Leadership

Total Hours: 36

* Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Elementary Education (Grades 1-5), M.A.T.

(INITIAL CERTIFICATION)

Required Courses

Knowledge of the learner and the Learning Environment

- EDCI 5340 - Elementary School Curriculum
- EDCI 5440 - The Exceptional Child
- EDCI 5042 - Classroom Organization and Management
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5282 - Survey of Assessment

Methodology and Teaching

- EDCG 5500 - Instructional Technology
- EDCI 5060 - Multicultural Education
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading

Teaching and Internship

- EDST 5372A - Internship in Student Teaching (Full Year)
- EDST 5372B - Internship in Student Teaching (Full Year)
  or
- EDUC 5380 - Student Teaching (One Semester)
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction PRAXIS PLT

Total Hours: 36

Elementary/Special Education (Grades 1-5), M.A.T.

Required Courses

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5340 - Elementary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading
- EDCI 5055 - Vocational and Transition Services
- EDCI 5900P - Methods of Teaching Students with Learning Disabilities
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

- EDST 5372A - Internship in Student Teaching
- EDST 5372B - Internship in Student Teaching
  or
- EDUC 5380 - Student Teaching
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction (Praxis PLT & Special Ed.)

Total Hours: 36

Middle School/Special Education (Grades 4-8), M.A.T.

(English, Mathematics, Science, Social Studies)

Required Courses

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5380 - Secondary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5055 - Vocational and Transition Services
- EDCI 5900P - Methods of Teaching Students with Learning Disabilities
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

- EDST 5372A - Internship in Student Teaching
- EDST 5372B - Internship in Student Teaching
  or
- EDUC 5380 - Student Teaching
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction (Praxis PLT & Special Ed.))

Total Hours: 36

Secondary Education (Grades 6-12), M.A.T.

(English, Mathematics, Biology, Chemistry, Physics, French, Spanish, Business Education, Social Studies)

Required Courses

Knowledge of the learner and the Learning Environment

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5042 - Classroom Organization and Management
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

Methodology and Teaching

- EDCG 5500 - Instructional Technology
- EDCI 5140 - Reading in the Content Area
- EDCI 5060 - Multicultural Education
- EDCI 5380 - Secondary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction

Teaching and Internship

- EDST 5372A - Internship in Student Teaching (Full Year)

- EDST 5372B - Internship in Student Teaching (Full Year)
  or
- EDUC 5380 - Student Teaching (One Semester)
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction PRAXIS PLT

Total Hours: 36

Secondary/Special Education (Grades 6-12), M.A.T.

(English, Mathematics, Biology, Chemistry, Physics, Social Studies, French, Spanish)

Required Courses

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5380 - Secondary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading
- EDCI 5055 - Vocational and Transition Services
- EDCI 5900P - Methods of Teaching Students with Learning Disabilities
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

- EDST 5372A - Internship in Student Teaching
- EDST 5372B - Internship in Student Teaching
  or
- EDUC 5380 - Student Teaching
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction (Praxis PLT & Special Ed.)

Total Hours: 36

Major

Art Education, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Art Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- ART 1010 - Design Ia
- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- MATH 1020 - Basic Statistics I
- XCOR 1000 - College Experience
    - College Writing (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- ART 1090 - Art Appreciation
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- ART 1030 - Drawing 1 Beginning Drawing
- CHEM 1004 - Chemistry of Art (Non-science majors)
- EDUC 2500 - Methods of Teaching 1-12
    - Human Past (3)
    - Faith and Society (3)
- EDUC 2044 - Methods of Classroom Organization and Management

Semester Hours: 18

Second Semester

- ART 1040 - Drawing 2 Intermediate Drawing
- EDUC 3040 - Educational Psychology

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - African American Heritage and Legacies (3)
    - Examined Life (3)
- Free Elective (1)

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- ART 2020 - Introduction to Graphic Design
- ART 2110 - History of Art Ia
- ART 1060 - Introduction to Painting
- XCOR 3010 - Engaging the Mission
- Art Elective (3)
- Free Elective (1)

Semester Hours: 16

Second Semester

- ART 1050 - Introduction to Ceramics
  or
- ART 2070 - Introduction to Sculpture

- ART 2120 - History of Art Ib
- EDUC 4005S - Praxis Specialty Area
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- XCOR 3020 - Engaging Global Issues
- Art Elective (3)

Semester Hours: 15

Senior Year

First Semester

- ART 4999 - Senior Comprehensives

- ART 3200 - Art Trends and Policy
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- Residency1 (6)

Semester Hours: 12

Second Semester

- EDSC 4150 - Teaching Reading in the Content Areas
  or
- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

- Art Elective (3)
- Residency2 (6)
- Senior Education Capstone Project (0)

Semester Hours: 12

Summary: Program in Art Education

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission

- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 39

- ART 1010 - Design Ia
- ART 1030 - Drawing 1 Beginning Drawing
- ART 1040 - Drawing 2 Intermediate Drawing
- ART 1050 - Introduction to Ceramics
- ART 1060 - Introduction to Painting
- ART 1090 - Art Appreciation
- ART 2020 - Introduction to Graphic Design
- ART 2110 - History of Art Ia
- ART 2120 - History of Art Ib
- ART 3200 - Art Trends and Policy
- ART 4999 - Senior Comprehensives
- Art Electives (9)

Education: 36

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- Residency1 (6)
- Residency2 (6)
- Senior Capstone Project (0)
- EDUC 3060B - Strategies and Methods for 4-8 Math

- EDEL 3050A - Methods and Materials in the Teaching of Reading
  or
- EDEL 3050B - Methods and Materials in the Teaching of Reading

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Free Electives: 5

Total Hours: 120

Biology Education (Grades 6-12) (Certification - Biology), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Biology Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for more information.

Freshman Year

First Semester

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- EDUC 2035 - Child & Adolescent Psychology
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- EDUC 1000 - Teacher Prep
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- EDUC 2044 - Methods of Classroom Organization and Management
    - The Examined Life (3)

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

Semester Hours: 14

Second Semester

- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- BIOL Elective (6)

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level Education and Psychology courses.

First Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- EDUC 2500 - Methods of Teaching 1-12
- XCOR 3010 - Engaging the Mission
    - African American Heritage and Legacies (3)
    - The Human Past (3)

Semester Hours: 16

Second Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4005S - Praxis Specialty Area
- BIOL 4230 - Biology Capstone
- Free Elective (2)
- EDUC 3040 - Educational Psychology
- XCOR 3020 - Engaging Global Issues
    - Creative Expression and Engagement (3)
    - Faith and Society (3)

Semester Hours: 17

Senior Year

First Semester

- BIOL 4999 - Senior Comprehensives
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- BIOL Elective (4)
- IPSC Elective (3)
- Residency (3)

Semester Hours: 13

Second Semester

- EDSC 4150 - Teaching Reading in the Content Areas
  or
- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

- Residency (9)

Semester Hours: 12

**INNOVATIVE RESIDENCY MODEL = classroom fieldwork in afternoons in fall semester + classroom teaching in spring

Summary: Program in Biology Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020 or ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1030 or MATH 1030I)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)

- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, BIOL 1230/BIOL 1230L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

Major: 30*

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory (1 of 4 for BIOL 1230/BIOL 1230L)
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2000 - Biodiversity
- BIOL 2000L - Biodiversity Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2010L - General Microbiology Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- BIOL 4230 - Biology Capstone
- BIOL Electives (10)
- BIOL 4999 - Senior Comprehensives

Education: 33*

- EDUC 1000 - Teacher Prep
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2200 - Multicultural Education
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology (0*)
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or

- EDSC 4150 - Teaching Reading in the Content Areas

- Residency (12)

Other Required Courses: 15*

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- IPSC Elective (3)

- MATH 1030 - Pre-Calculus (1 of 4)*
  or
- MATH 1030I - Intensive Pre-Calculus (1 of 4)*

- STAT 2010 - Statistical Methods I

Free Elective: 2

Total Hours: 120

*The remaining 3 hours of General Biology I and MATH 1030 or MATH 1070 fill the Scientific Reasoning and Quantitative Reasoning requirements, respectively, and are counted in the Foundations and Explorations Cores.

Chemistry Education (Grades 6-12) (Certification - Chemistry), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Chemistry Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for more information.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

- EDUC 2035 - Child & Adolescent Psychology
- XCOR 1000 - College Experience

- College Writing (3)

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- STAT 2010 - Statistical Methods I

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- EDUC 2044 - Methods of Classroom Organization and Management
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
  - African American Heritage and Legacies (3)

Semester Hours: 14

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

- Faith and Society (3)

Semester Hours: 17

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level Education courses.

First Semester

- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- EDUC 2500 - Methods of Teaching 1-12
- XCOR 3020 - Engaging Global Issues
    - The Examined Life (3)
    - The Human Past (3)

Semester Hours: 16

Second Semester

- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3011 - Inorganic Chemistry
- CHEM 4080 - Introduction to Research
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology
- EDUC 4005S - Praxis Specialty Area
- XCOR 3010 - Engaging the Mission
    - Creative Expression and Engagement (3)

Semester Hours: 16

Senior Year

First Semester

- CHEM 4073 - Chemistry Literature Research (Capstone)
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 4999 - Senior Comprehensives
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- Residency (3) **
- BIOL or IPSC Elective (3)

Semester Hours: 16

Second Semester

- CHEM 4999 - Senior Comprehensives
- Residency (9) **

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Semester Hours: 12

**INNOVATIVE RESIDENCY MODEL = classroom fieldwork in afternoons in fall semester + classroom teaching in spring

Summary: Program in Chemistry Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, PHYS 2010/PHYS 2010L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

- CHEM 4080 - Introduction to Research
- CHEM 4073 - Chemistry Literature Research

Major: 34

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3011 - Inorganic Chemistry
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 4080 - Introduction to Research
- CHEM 4073 - Chemistry Literature Research
- CHEM 4999 - Senior Comprehensives

Education: 33*

- EDUC 1000 - Teacher Prep
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2200 - Multicultural Education
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology *
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- Residency (12)

Other Required Courses: 16*

- MATH 1030 - Pre-Calculus
- BIOL or IPSC Elective (3)
- MATH 1070 - Introductory Calculus (1*)
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory (1*)
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- STAT 2010 - Statistical Methods I

Total Hours: 123

*See hours counted in Core.

Elementary Education (Grades 1-5), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)

- PHYS 1530 - How Things Work (Non-science majors)
  or
- CHEM 1004 - Chemistry of Art (Non-science majors)
  or
- CHEM 1005 - Food Chemistry (Non-science majors)

- XCOR 1000 - College Experience
- Free Elective (3)
  - College Writing (3)

Semester Hours: 16

Second Semester

- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- PSCI 1020 - American Government

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12

- BIOL 1030 - General Biology (Non-science majors) (Scientific Reasoning)
  or
- BIOL 1040 - General Biology (Non-science majors) (Scientific Reasoning)

- HIST 1030 - World Civilizations to 1500 (The Human Past)
  or
- HIST 1040 - World Civilizations Since 1500 (The Human Past)

- MATH 2015 - Geometry for Elementary Education Majors
- Faith and Society (3)

Semester Hours: 18

Second Semester

- EDUC 3040 - Educational Psychology (Human Behavior)
- IPSC 2020 - Earth Science
- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Free Elective (1)
- The Examined Life (3)

Semester Hours: 16

Junior Year

First Semester

- ENGL 2200 - Modern English Grammars
- EDEL 3050A - Methods and Materials in the Teaching of Reading

- IPSC 4010 - Advanced Earth Science
- XCOR 3010 - Engaging the Mission

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

Semester Hours: 16

Second Semester

- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDEL 3071 - Curriculum Applications
- EDUC 4005S - Praxis Specialty Area
- MATH 2025 - Finite Mathematics for Elementary Education Majors
- XCOR 3020 - Engaging Global Issues

- GEOG 3020 - Louisiana and Its Resources
  or
- HIST 3040 - History of Louisiana

Semester Hours: 15

All majors must have passed ALL parts of the Praxis Exams (Praxis I, Praxis II and PLT) and should have been accepted into the Teacher Education Program.

Senior Year

First Semester

- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3060A - Strategies and Methods for K-3 Math
- Residency1 (6)

Semester Hours: 12

Second Semester

- EDUC 3060B - Strategies and Methods for 4-8 Math
- Residency2 (6)
- Senior Capstone (0)

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Semester Hours: 12

Summary: Program in Elementary Education (Grades 1-5)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 48

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDEL 3050A - Methods and Materials in the Teaching of Reading
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDEL 3071 - Curriculum Applications

- Residency1 (6)
- Residency2 (6)
- Senior Capstone (0)
- EDUC 3060A - Strategies and Methods for K-3 Math
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3060B - Strategies and Methods for 4-8 Math
- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

Minor: 0

No minor is associated with this program.

Content: 28

- PHYS 1530 - How Things Work (Non-science majors)
  or
- CHEM 1004 - Chemistry of Art (Non-science majors)
  or
- CHEM 1005 - Food Chemistry (Non-science majors)

- PSCI 1020 - American Government
- MATH 2015 - Geometry for Elementary Education Majors
- IPSC 2020 - Earth Science
- ENGL 2200 - Modern English Grammars
- IPSC 4010 - Advanced Earth Science

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

- GEOG 3020 - Louisiana and Its Resources
  or
- HIST 3040 - History of Louisiana

- MATH 2025 - Finite Mathematics for Elementary Education Majors

Free Electives: 4

Total Hours: 120

English/English Education (Grades 6-12), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

English/English Education offers a Bachelor of Arts degree in two programs: a full English major degree in preparation for graduate school in English and the humanities and an Education degree leading to certification to teach English Education grades 6-12. English/English Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- EDUC 2035 - Child & Adolescent Psychology
- EDUC 1000 - Teacher Prep
- XCOR 1000 - College Experience
    - College Writing (3)
    - Scientific Reasoning (3)
    - Faith and Society (3)
- Quantitative Reasoning (3, MATH 1020)

Semester Hours: 16

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
    - Creative Expression and Engagement (3)
    - Advanced Composition and Rhetoric (3)

Semester Hours: 15

Sophomore Year

First Semester

- ENGL 2070 - Survey of British Literature I
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 2044 - Methods of Classroom Organization and Management
- ENGL 2400 - Critical Approaches to Literature
    - Human Past (3)

Semester Hours: 15

Second Semester

- ENGL 2080 - Survey of British Literature II
- EDUC 3040 - Educational Psychology

- ENGL 3040 - Shakespeare at the Globe
  or
- ENGL 3050 - Shakespeare in Adaptation

    - African American Heritage and Legacies (3)
    - Human Behavior (3)

Semester Hours: 15

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- ENGL 2085 - Survey of African American Literature I
- ENGL 3160 - Survey of American Literature I
- ENGL 2200 - Modern English Grammars
- XCOR 3010 - Engaging the Mission
    - Examined Life (3)

Semester Hours: 15

Second Semester

- ENGL 3170 - Survey of American Literature II
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area
- ENGL 2095 - Survey of African American Literature II
- XCOR 3020 - Engaging Global Issues
- English Elective (3)

Semester Hours: 15

Senior Year

First Semester

- EDUC 4030 - Educational Measurement and Evaluation
- ENGL 3315 - Teaching English
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC Residency I (6)
- ENGL 40X0S (3)

Semester Hours: 15

Second Semester

- ENGL 4999 - Senior Comprehensives

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- EDUC Residency II (6)
- EDUC Senior Capstone Project (0)
- English Elective (3)
- Free Elective (3)

Semester Hours: 15

Summary: Program in English/English Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 39 **

- ENGL 2070 - Survey of British Literature I
- ENGL 2080 - Survey of British Literature II
- ENGL 2085 - Survey of African American Literature I
- ENGL 2095 - Survey of African American Literature II
- ENGL 2400 - Critical Approaches to Literature
- ENGL 3160 - Survey of American Literature I
- ENGL 3170 - Survey of American Literature II
- ENGL 3315 - Teaching English
- ENGL 2200 - Modern English Grammars

- ENGL 3040 - Shakespeare at the Globe
  or
- ENGL 3050 - Shakespeare in Adaptation

- ENGL 4999 - Senior Comprehensives
- English Elective (6)
- ENGL 40X0S (3)

Education: 39

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3040 - Educational Psychology
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area
- EDUC Residency I (6)
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC Residency II (6)
- EDUC Senior Capstone Project (0)

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

or

- EDSC 4150 - Teaching Reading in the Content Areas

Free Elective: 3

Total Hours: 121

*Teacher certification standards require 3 hours in BIOL, CHEM, IPSC, or PHYS, in addition to the other courses listed above.

***EDUC 1000 is a prerequisite for all Education courses.

French Education (Grades K-12), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

French Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)
- XCOR 1000 - College Experience
    - College Writing (3)
- Free Electives (6)

Semester Hours: 16

Second Semester

- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- FREN 1090 - Conversation and Culture
  or
- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- 3000 level course (3)

Semester Hours: 15

Sophomore Year

First Semester

- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
  - Scientific Reasoning (3)
  - Human Past (3)
  - Faith and Society (3)

- FREN 1090 - Conversation and Culture
  or
- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- 3000 level course (3)

Semester Hours: 18

Second Semester

- FREN 4031 - Directed Readings in French
- EDUC 3040 - Educational Psychology (Human Behavior)
  - African American Heritage and Legacies (3)
  - Creative Expression and Engagement (3)
  - Examined Life (3)

- FREN 2020 - Intermediate French
  or
- 3000 level course (3)

Semester Hours: 16

Junior Year

Freshman Year

- FREN 3021 - Readings in Francophone Culture
- FREN 3011 - Advanced Conversation
- FREN 4051 - Special Topics in French
- FREN 3000 or 4000 literature course (1)
- XCOR 3010 - Engaging the Mission

Semester Hours: 13

Second Semester

- EDUC 4005S - Praxis Specialty Area

- AADS 4025 - Afro Latin American Oral Traditions
  or
- AADS 4030 - Afro Latin American Culture and Civilization

- XCOR 3020 - Engaging Global Issues
- Free Electives (6)
- FREN 3000/4000 (6)

Semester Hours: 18

Senior Year

First Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4030 - Educational Measurement and Evaluation
- Residency1 (6)
- FREN 4000 level (3)

Semester Hours: 12

Second Semester

- FREN 4050 - Internship
- Residency2 (6)
- Senior Capstone Project (0)

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Semester Hours: 12

Summary: Program in French Education (Grades K-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 30-33

Many students enter with a score on the WebCAPE exam that allows them placement in the 2000 or 3000 course level.

- FREN 1090 - Conversation and Culture
- FREN 2010 - Intermediate French
- FREN 2020 - Intermediate French
- FREN 3001 - Advanced Grammar and Composition
- FREN 3011 - Advanced Conversation
- FREN 3021 - Readings in Francophone Culture
- Upper-level literature courses (12-15) (These may be taken abroad, at Tulane or Loyola through the Consortium, or as FREN 4051/FREN 4052 Special Topics Courses.)

Minor: 36

- EDUC 1000 - Teacher Prep

- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDEL 3050A - Methods and Materials in the Teaching of Reading
- EDUC 4030 - Educational Measurement and Evaluation
- Residency1 (6)
- Residency2 (6)
- Senior Capstone Project (0)
- EDUC 3005L - Principles of Learning and Teaching Praxis II

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Free Electives: 14

Total Hours: 120

Mathematics Education (Grades 6-12), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Mathematics Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- STAT 2010 - Statistical Methods I
- XCOR 1000 - College Experience
  - College Writing (3)

Semester Hours: 14

Second Semester

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- PHIL 2040 - Logic
- STAT 2021 - Statistical Methods II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
  - African American Heritage and Legacies (3)
  - The Examined Life (3)
  - Faith and Society (3)

Semester Hours: 16

Second Semester

- MATH 2030 - Elementary Linear Algebra
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2040 - Introduction to the Exceptional Child

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

  - Creative Expression and Engagement (3)

Semester Hours: 15

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- MATH 2015 - Geometry for Elementary Education Majors
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
    - The Human Past (3)

Semester Hours: 16

Second Semester

- MATH 4005 - Advanced and Experimental Problem Solving
- MATH 4511 - Colloquium
- MATH 4999 - Senior Comprehensives
- Math Elective (3)*
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 2200 - Multicultural Education
- EDUC 3040 - Educational Psychology

Semester Hours: 15

Senior Year

First Semester

- MATH 4521 - Colloquium
- MATH 4095 - Abstract Algebra
- MATH 4095D - Abstract Algebra Drill
- EDUC 2044 - Methods of Classroom Organization and Management
- Free Elective (4) (recommended: PHYS 2020/PHYS 2020L)
- EDUC 2500 - Methods of Teaching 1-12
- Residency (3)**

Semester Hours: 17

Second Semester

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School (or EDSC 4150)
- EDUC 4005S - Praxis Specialty Area
- EDUC 4060S - Student Teaching Seminar
- Residency (9)**

Semester Hours: 12

* A mathematics elective must be a mathematics or statistics course at the 2000-level or above with the exception of MATH 2015, MATH 2025, MATH 2510/PHYS 2510, STAT 2015/STAT 2015D, MATH 4002. A statistics course used as part of a minor in statistics may not also be used as a mathematics elective.

**INNOVATIVE RESIDENCY MODEL = classroom TEACHING 10 afternoon hours per week for 12 weeks in fall semester + FULLTIME classroom teaching in spring semester

Summary: Program in Math Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, PHYS 2010/PHYS 2010L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

- MATH 4521 - Colloquium

Major: 31 *

- MATH 1070 - Introductory Calculus (1 of 4*)
- MATH 2015 - Geometry for Elementary Education Majors
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II
- MATH 4005 - Advanced and Experimental Problem Solving
- Math Elective (3)**
- MATH 4095 - Abstract Algebra
- MATH 4095D - Abstract Algebra Drill
- MATH 4511 - Colloquium
- MATH 4521 - Colloquium
- MATH 4999 - Senior Comprehensives

Education: 33*

- EDUC 1000 - Teacher Prep
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2200 - Multicultural Education
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology (0)*
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area
- EDUC 4060S - Student Teaching Seminar
- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School (or EDSC 4150)
- Residency (12)***

Other Required Courses: 18*

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

- PHIL 2040 - Logic
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory (1)*
- STAT 2010 - Statistical Methods I
- STAT 2021 - Statistical Methods II

Free Electives: 4

- Rec: PHYS 2020 - General Physics II
- Rec: PHYS 2020L - General Physics II Laboratory

Total Hours: 122

*Some hours listed in Core above.

** A mathematics elective must be a mathematics or statistics course at the 2000-level or above with the exception of MATH 2015, MATH 2025, MATH 2510/PHYS 2510, STAT 2015/STAT 2015D, MATH 4002. A statistics course used as part of a minor in statistics may not also be used as a mathematics elective.

***INNOVATIVE RESIDENCY MODEL = classroom TEACHING 10 afternoon hours per week for 12 weeks in fall semester + FULLTIME classroom teaching in spring semester

Middle School Education (Grades 4-8), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology

- PHYS 1530 - How Things Work (Non-science majors)
  or
- CHEM 1004 - Chemistry of Art (Non-science majors)
  or
- CHEM 1005 - Food Chemistry (Non-science majors)

- MATH 1020 - Basic Statistics I (Quantitative Reasoning)
- XCOR 1000 - College Experience
- Free Elective (3)
  - College Writing (3)

Semester Hours: 16

Second Semester

- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing

- EDUC 2005M - Praxis PPST Math
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)
- PSCI 1020 - American Government

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- MATH 2015 - Geometry for Elementary Education Majors

- HIST 1030 - World Civilizations to 1500 (The Human Past)
  or
- HIST 1040 - World Civilizations Since 1500 (The Human Past)

- BIOL 1030 - General Biology (Non-science majors) (Scientific Reasoning)
  or
- BIOL 1040 - General Biology (Non-science majors) (Scientific Reasoning)

- Faith and Society (3)

Semester Hours: 18

Second Semester

- EDUC 3040 - Educational Psychology (Human Behavior)
- IPSC 2020 - Earth Science

- African American Heritage and Legacies (3)
  - Creative Expression and Engagement (3)
- Free Elective (1)
  - The Examined Life (3)

Semester Hours: 16

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

Junior Year

First Semester

- ENGL 2200 - Modern English Grammars
- IPSC 4010 - Advanced Earth Science

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

- MATH 1070 - Introductory Calculus
  or
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

- XCOR 3010 - Engaging the Mission

Semester Hours: 16

Second Semester

- GEOG 3020 - Louisiana and Its Resources
  or
- HIST 3040 - History of Louisiana

- EDUC 4005S - Praxis Specialty Area
- MATH 2025 - Finite Mathematics for Elementary Education Majors
- XCOR 3020 - Engaging Global Issues
- Free Electives (6)

Semester Hours: 15

All majors must have passed ALL parts of the Praxis Exams (Praxis I, Praxis II and PLT) and should have been accepted into the Teacher Education Program.

Senior Year

First Semester

- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- Residency1 (6)
- EDEL 3050A - Methods and Materials in the Teaching of Reading

Semester Hours: 12

Second Semester

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- EDUC 3060B - Strategies and Methods for 4-8 Math
- Residency2 (6)
- Senior Capstone (0)

Semester Hours: 12

Summary: Program in Middle School Education (Grades 4-8)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Rhetoric and Composition (3)
  - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 39

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education

- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDEL 3050A - Methods and Materials in the Teaching of Reading
- Residency1 (6)
- Residency2 (6)
- Senior Capstone (0)
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3060B - Strategies and Methods for 4-8 Math

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Minor: 0

No minor is associated with this program

Content: 31

- PHYS 1530 - How Things Work (Non-science majors)
  or
- CHEM 1004 - Chemistry of Art (Non-science majors)
  or
- CHEM 1005 - Food Chemistry (Non-science majors)

- PSCI 1020 - American Government
- MATH 2015 - Geometry for Elementary Education Majors
- IPSC 2020 - Earth Science
- ENGL 2200 - Modern English Grammars
- IPSC 4010 - Advanced Earth Science

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

- MATH 1070 - Introductory Calculus
  or
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

- GEOG 3020 - Louisiana and Its Resources
  or
- HIST 3040 - History of Louisiana

- MATH 2025 - Finite Mathematics for Elementary Education Majors

Free Electives: 10

Total Hours: 120

Music Education Instrumental or Vocal Supervision, B.M.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Music Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- MUEN 1310U - University Chorus
  or
- MUEN 1910S - Symphonic Band

- MURE 1070A - Recital Class
- MUSH 1050 - Introduction to Music History and Literature I
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- EDUC 1000 - Teacher Prep
- MUAP 1632xx - Private music instruction
- MUAP 1531P (1)
- XCOR 1000 - College Experience
  - College Writing (3)
  - Quantitative Reasoning (3)

Semester Hours: 18

Second Semester

- MUEN 1320U - University Chorus
  or
- MUEN 1920S - Symphonic Band

- MURE 1070B - Recital Class
- MUSH 1070 - Introduction to Music History and Literature II
- MUST 1040 - Music Theory II

- MUST 1040L - Music Theory Lab II
- MUAP 1642xx - Private music instruction
- MUAP 1541P (1)
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- MUEN 2310U - University Chorus
  or
- MUEN 2910S - Symphonic Band

- MURE 2070A - Recital Class
- MUSM 2010 - Foundations in Functional Musicianship I - Voice and Percussion
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUME 2044 - Classroom Management & Rehearsal Organization
  - African American Heritage and Legacies (3)
  - Creative Expression and Engagement (3)
- MUAP 2632xx - Private music instruction
- MUAP 2531P (1)

Semester Hours: 18

Second Semester

- MUEN 2320U - University Chorus
  or
- MUEN 2920S - Symphonic Band

- MURE 2070B - Recital Class
- MUSM 2020 - Foundations in Functional Musicianship II - Woodwinds and Brass
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2200 - Multicultural Education
  - Human Past (3)

- MUAP 2541xx - Private music instruction

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- MUEN 3331xx - Chamber Ensemble (3331O or 3331B or 3331W or 3331CE or 3331 CG (1))
- MURE 3070A - Recital Class
- MUSM 2180 - Elementary Conducting
- MUSM 3010 - Foundations in Functional Musicianship III - Strings and Guitar
- EDUC 2035 - Child & Adolescent Psychology
- MUAP 3632xx - Private music instruction
- XCOR 3010 - Engaging the Mission
    - Human Behavior (3)

Semester Hours: 15

Second Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4005S - Praxis Specialty Area
- MUAP 3642xx - Private music instruction
- MUEN 3331xx - Chamber Ensemble (3331O or 3331B or 3331W or 3331CE or 3331 CG (1))
- MUSM 3180 - Advanced Conducting
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MURE 3070B - Recital Class
    - Examined Life (3)
    - Faith and Society (3)
    - Scientific Reasoning (3)

Semester Hours: 15

Senior Year

First Semester

- MURE 4070A - Recital Class
- MUST 3090 - Orchestration
- MUSM 4999 - Senior Comprehensives
- EDUC 3040 - Educational Psychology

- MUME 3023 - Special Methods
- XCOR 3020 - Engaging Global Issues

- MUME 3021A - Methods of Teaching Music K-8
  or
- MUME 3021B - Methods of Teaching Music 9-12

Semester Hours: 14

Second Semester

- MURE 4000 - Senior Recital
- MUME 4061S - Seminar in Student Teaching in Music
- MUME 4061T - Student Teaching in Music
- EDSC 4150 - Teaching Reading in the Content Areas

Semester Hours: 12

Summary: Program in Music Education Instrumental Or Vocal Supervision

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3, MUSH 2130)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Expansive Core: 6

Including one BIOL, CHEM, IPSC, or PHYS Expansive Core course (3) (recommended)*

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- MUSM 4999 - Senior Comprehensives

Music: 70

- Applied Music (14)
- Music Education (18)
- Musicianship (8)
- Music Theory (18)
- Music Ensemble (6)
- Recital Class (0)
- Senior Recital (0)
- Music History (6)

Education: 15

- EDUC 1000 - Teacher Prep
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology
- EDUC 4005S - Praxis Specialty Area
- EDSC 4150 - Teaching Reading in the Content Areas

Total Hours: 125

All majors are required to complete three consecutive semesters of Applied Piano (secondary) prior to taking the Piano Proficiency Examination.

Senior Comprehensive is required for this degree.

Recital Hearing must be approved by the Music Faculty prior to the Junior and Senior Recital.

Social Studies Education (Grades 6-12), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Students who major in Social Studies Education must earn 27 hours in history. The following are required: HIST 1030 or HIST 1031H, HIST 1040 or HIST 1041H, HIST 2010, HIST 2020, HIST 2415, and at least nine hours of 3000- or 4000- level courses. No grade lower than a "C" in any of the departmental offerings may be applied for credit in the major. Social Studies Education majors are required to achieve an acceptable score (determined by the Louisiana Department of Education) on all parts of the Praxis, including Praxis II: Specialty Area Test, in order to graduate.

Social Studies Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- GEOG 1010 - World Geography
- XCOR 1000 - College Experience
    - College Writing (3)
    - Human Past (3, HIST 1030/HIST 1031H)
    - Quantitative Reasoning (3, MATH 1020)

Semester Hours: 16

Second Semester

- HIST 1040 - World Civilizations Since 1500
  or
- HIST 1041H - World Civilizations Since 1500

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Rhetoric and Composition (3, ENGL 1020)
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing

Semester Hours: 15

Sophomore Year

First Semester

- HIST 2010 - The United States to 1865
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- HIST 2415 - Introduction to Historical Research and Writing

    - Faith and Society (3)
    - Scientific Reasoning (3)

Semester Hours: 18

Second Semester

- HIST 2020 - The United States Since 1865
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)
    - Examined Life (3)
    - Human Behavior (3, EDUC 3040)
- Free Elective (1)

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- XCOR 3010 - Engaging the Mission
- ECON 1030 - Introduction to Economics
- PSCI 1020 - American Government
- HIST 2000-, 3000-, or 4000-level (3)
- Free Elective (4)

Semester Hours: 16

Second Semester

- XCOR 3020 - Engaging Global Issues
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- ENGL 2200 - Modern English Grammars
- HIST 3040 - History of Louisiana
  or
- EDUC 4005S - Praxis Specialty Area

- GEOG 3020 - Louisiana and Its Resources

- HIST 3000- or 4000-level (3)

Semester Hours: 15

Senior Year

First Semester

- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- HIST 3000- or 4000-level (3)
- Residency1 (6)
- Residency Seminar (0)

Semester Hours: 12

Second Semester

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- Residency2 (6)
- Residency Seminar (0)
- Senior Capstone Project (0)
- HIST 3000- or 4000-level (3)

Semester Hours: 12

Summary: Program in Social Studies Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3, MATH 1020)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)

- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 42

(27 hrs. HIST [incl. 3 hrs. Human Past] + 15 hrs. content specific curriculum)

- HIST 1030 - World Civilizations to 1500
  or
- HIST 1031H - World Civilizations to 1500

- HIST 1040 - World Civilizations Since 1500
  or
- HIST 1041H - World Civilizations Since 1500

- HIST 2010 - The United States to 1865
- HIST 2020 - The United States Since 1865
- HIST 2415 - Introduction to Historical Research and Writing
- HIST 2000-level or higher (3)
- HIST 3000-level or higher (3)
- ECON 1030 - Introduction to Economics
- ENGL 2200 - Modern English Grammars
- GEOG 1010 - World Geography

- GEOG 3020 - Louisiana and Its Resources
  or
- HIST 3040 - History of Louisiana

- PSCI 1020 - American Government

Minor: 39

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3040 - Educational Psychology

- EDEL 3050A - Methods and Materials in the Teaching of Reading
  or
- EDEL 3050B - Methods and Materials in the Teaching of Reading

- Residency1 (6)
- Residency Seminar (0)
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4005S - Praxis Specialty Area
- Residency2 (6)
- Residency Seminar (0)
- Senior Capstone Project (0)

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Free Electives: 5

Total Hours: 120

Graduate Education Programs

For information about graduate programs in Education, see the College of Arts and Sciences Graduate Programs section of the catalog.

Spanish Education (Grades K-12), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Spanish Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- SPAN 1090 - Conversation and Culture
  or
- SPAN 2010 - Intermediate Spanish
  or
- SPAN 2020 - Intermediate Spanish
  or

- 3000 level course (3)

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)
- XCOR 1000 - College Experience
- Free Elective (3)
    - College Writing (3)

Semester Hours: 16

Second Semester

- SPAN 2010 - Intermediate Spanish
  or
- SPAN 2020 - Intermediate Spanish
  or
- 3000 level course (3)

- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- SPAN 2020 - Intermediate Spanish
  or
- 3000 level course (3)

- EDUC 2500 - Methods of Teaching 1-12
- EDUC 2044 - Methods of Classroom Organization and Management
    - Scientific Reasoning (3)
    - Human Past (3)
    - Faith and Society (3)

Semester Hours: 18

Second Semester

- EDUC 3040 - Educational Psychology (Human Behavior)
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)
    - Examined Life (3)
- SPAN 3000 level (Grammar/comp) (3)
- SPAN 3000 level (Literature) (3)

Semester Hours: 15

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- SPAN 3000 (readings or literature course) (3)
- SPAN 3000 (advanced conversation or lit) (3)
- Free Elective (3)

Semester Hours: 12

Second Semester

- XCOR 3020 - Engaging Global Issues
- EDUC 4005S - Praxis Specialty Area

- AADS 4025 - Afro Latin American Oral Traditions
  or
- AADS 4030 - Afro Latin American Culture and Civilization

- SPAN 3000/4000 (Lit) (6)
- Free Electives (6)

Semester Hours: 18

Senior Year

First Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4030 - Educational Measurement and Evaluation
- Residency1 (6)
- SPAN 4000 level (3)

Semester Hours: 12

Second Semester

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- SPAN 4000 (Lit or Internship) (3)
- Senior Capstone Project (0)
- Residency2 (6)

Semester Hours: 12

Summary: Program in Spanish Education (Grades K-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 30-33

- SPAN 1090 - Conversation and Culture
- SPAN 2010 - Intermediate Spanish
- SPAN 2020 - Intermediate Spanish
- SPAN 3001 - Advanced Grammar and Composition
- SPAN 3011 - Advanced Conversation
- Upper-level literature courses (12-15)

Minor: 36

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005R - Praxis PPST Reading
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDEL 3050A - Methods and Materials in the Teaching of Reading
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- Residency1 (6)
- Residency2 (6)
- Senior Capstone Project (0)

Free Electives: 14

Total Hours: 120

Minor

Education Minor

The Education Minor Program is designed for students majoring in other disciplines who may have an interest in education.

Students in the Education Minor Program are also strongly advised to take all sections of the Praxis tests. Education minors should also read all of the state requirements for teacher certification.

Required Courses

The minor in education consists of 18 hours of coursework. The following nine (9) semester hours in the following courses are required:

- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2035 - Child & Adolescent Psychology

In addition,

students select an additional nine (9) semester hours from the following courses:

- EDUC 2200 - Multicultural Education
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3040 - Educational Psychology
- EDUC 4030 - Educational Measurement and Evaluation

Division of Fine Arts and Humanities

In the Division of Fine Arts and Humanities, the departments of Art and Performance Studies, English, History, Languages, Music, Philosophy, and Theology join forces to realize Xavier University's mission of promoting a more just and humane society by preparing future leaders who (1) communicate clearly and coherently in writing and speaking; (2) appreciate aesthetics and creative activities; (3) employ literary and historical perspectives to understand the world's diverse cultures; (4) are acquainted with a language other than English; and (5) enjoy an evolving perspective on African American culture and heritage. Indeed, the Division of Fine Arts and Humanities is a shining beacon for the University, without which the realization of its mission would be impossible.

All Xavier students rely on courses in the Division of Fine Arts and Humanities in order to graduate with a well-rounded, liberal arts education. The students who opt to major in fine arts or humanities form a unique cadre of young scholars who learn to think outside the box in order to solve problems both critically and creatively. Through coursework, research and internship opportunities, study abroad, and service learning activities, graduates from this division are prepared to tackle a multitude of challenges and pave new paths to future success in a variety of fields.

Students in the Division of Fine Arts and Humanities enjoy small classes taught by expert faculty who get to know and mentor them as individuals. Over 95% of the division's faculty (excluding teachers of musical performance), hold the terminal Ph.D. or M.F.A degrees, and nearly the same high percentage of faculty teach fulltime. These faculty members have published many books, articles, and creative works, performed with symphony orchestras and in venues such as Carnegie Hall and the White House, written operas, created the animation for feature-length Hollywood films, won prestigious teaching awards, and exhibited their art internationally.

Visit us at: https://www.xula.edu/division?id=fine_arts_and_humanities.

The Division of Fine Arts and Humanities offers the following degree programs:

B.A. in Art
B.A. in Art Education (in conjunction with the Division of Education and Counseling)
B.A. in English
B.A. in English/English Education (Grades 6-12) (in conjunction with the Division of Education and Counseling)
B.A. in French
B.A. in French Education (in conjunction with the Division of Education and Counseling)
B.A. in History
B.A. in Music - Jazz Studies Concentration
B.A. in Music-Liberal Arts
B.A. in Performance Studies
B.A. in Philosophy
B.A. in Social Studies Education (in conjunction with the Division of Education and Counseling)
B.A. in Spanish
B.A. in Spanish Education (in conjunction with the Division of Education and Counseling)
B.A. in Theology
B.M. in Music Education (Instrumental or Vocal, in conjunction with the Division of Education and Counseling)
B.M. in Music Performance-Instrumental
B.M. in Music Performance-Piano
B.M. in Music Performance-Voice

Department of Art and Performance Studies

Division of Fine Arts and Humanities

The Art Village - (504) 520-7556 - https://www.xula.edu/department?id=art

In support of the University's mission, the Art and Performance Studies Department is committed to preparing individuals to be visually aware and socially conscious. Students investigate and develop studio skills, historical analysis, individual aesthetics, and methods of evaluation within a mentorship environment. Courses are designed to enhance fundamental professional training for all students, stimulate intellectual curiosity, and provide an opportunity to expand personal creative experiences.

ART

For the art major, we offer fundamental professional preparation through broad studio activities. We assist the individual in finding and building upon his/her own strengths in an effort to pursue a successful arts career. Problem solving, research, community collaboration and the integration of creative and technical practices are the root of visual arts program.

Two programs are available to the art major - the B.A. Program in Art and the B.A. Program in Art Education. The first broadens career opportunities in visual arts, specifically in sculpture, painting, ceramics, graphic design, photography and printmaking. The Program in Art Education certifies the prospective art teacher for primary and secondary schools.

Freshmen entering the program as majors are required to give some evidence of special ability in the field prior to admission. Admission to sophomore level and above art programs of study is dependent on approval of the majority of the art faculty, based on the student's performance during the preceding year in the areas of drawing, sense of design, consistent growth, and professional attitudes. Each major will participate in an annual review with the faculty in order to assess the student's demonstrated skills. Students will be required to maintain a journal/sketchbook. This book should contain all materials given to students in and out of art classes as well as information students find important. Students are expected to attend all departmental meetings.

Entering freshmen may compete for scholarships. The student must have completed an application for admission and have been accepted by the university before any scholarship is considered.

The Art and Performance Studies Department reserves the right either to accept studio art credits from other institutions or to require the student to take further courses in the Xavier Art and Performance Studies Department. The decision will be based on the quality of the work submitted by the student.

Upon graduation at least one work from each graduating senior is to be submitted to and retained by the Department. Each graduating senior must present to the department digital documentation representing his/her best work. Majors are required to successfully complete a comprehensive examination and all senior exhibition requirements. Attendance at all departmental meetings is required. In order for any of the departmental offerings to be counted for degree credit, a student must earn a "C" or better.

The B.A. in Art program requires a total of 121 hours. This includes 48 hours of art courses of which nine are electives in a chosen media or other art courses. The required courses include: ART 1010, ART 1030, ART 1040, ART 2110, ART 2120, and an additional elective art history class. Students choose among several other art courses as their studio foundation studies in Two Dimensional Art, ART 1060 and ART 2080, Three Dimensional Art, ART 1050 and ART 2070, ART 2020 and ART 3020. The remaining 5 art elective classes should include 2 advanced classes in the area of concentration for the required senior exhibition. Special elective courses include ART 4503 and ART 2600.

Majors in Art Education are required to take 51 semester hours in art. The following are required in the B.A. in Art Education Program: ART 1010, ART 1020, ART 1030, ART 1050, ART 1060, ART 1090, ART 2020, ART 2070, ART 2080, ART 2110, ART 2120, and ART 3000.

PERFORMANCE STUDIES

The Performance Studies major views performance as an object to be studied, a creative method of research, and a tool for community engagement. Working in an interdisciplinary context, students use a performance-based lens for experiential learning and research that includes sharing creative work with public audiences. The program promotes inclusion, community advocacy and outreach to diverse audiences.

Performance Studies majors devise a career plan that connects their interdisciplinary skills to successful employment or entry into an arts- or humanities-based graduate program. Select course offerings also prepare students for advanced study in social science-based graduate programs such as Anthropology or Communication Studies. Graduates will be prepared to enter a variety of careers that require skills such as critical and creative thinking, oral and written communication, interdisciplinary collaboration, intercultural competence, project design and management, and video, sound, light, and stage design, among others. Because the program is committed to community engagement through arts-based education initiatives, advocacy in partnership with local non-profits, and communicating the value of its performance research to public audiences, students will also have community and professional networking opportunities.

The B.A. in Performance Studies program requires a total of 120 hours. This includes 36 hours in the major of which nine are electives in designated Performance Studies courses or designated arts- or humanities-based courses in other departments. Six of the nine elective hours must be at the 3000 or 4000 level. The required courses include: ART 1090, PERF 1000, PERF 2010, PERF 2035, PERF 2040, PERF 3030, PERF 3060, PERF 3400, and PERF 4900.

Major

Art Education, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Art Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- ART 1010 - Design Ia
- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- MATH 1020 - Basic Statistics I
- XCOR 1000 - College Experience
    - College Writing (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- ART 1090 - Art Appreciation
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- ART 1030 - Drawing 1 Beginning Drawing
- CHEM 1004 - Chemistry of Art (Non-science majors)
- EDUC 2500 - Methods of Teaching 1-12
  - Human Past (3)
  - Faith and Society (3)
- EDUC 2044 - Methods of Classroom Organization and Management

Semester Hours: 18

Second Semester

- ART 1040 - Drawing 2 Intermediate Drawing
- EDUC 3040 - Educational Psychology

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - African American Heritage and Legacies (3)
  - Examined Life (3)
- Free Elective (1)

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- ART 2020 - Introduction to Graphic Design
- ART 2110 - History of Art Ia
- ART 1060 - Introduction to Painting
- XCOR 3010 - Engaging the Mission
- Art Elective (3)
- Free Elective (1)

Semester Hours: 16

Second Semester

- ART 1050 - Introduction to Ceramics
  or
- ART 2070 - Introduction to Sculpture

- ART 2120 - History of Art Ib
- EDUC 4005S - Praxis Specialty Area
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- XCOR 3020 - Engaging Global Issues
- Art Elective (3)

Semester Hours: 15

Senior Year

First Semester

- ART 4999 - Senior Comprehensives
- ART 3200 - Art Trends and Policy
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- Residency1 (6)

Semester Hours: 12

Second Semester

- EDSC 4150 - Teaching Reading in the Content Areas
  or
- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

- Art Elective (3)
- Residency2 (6)
- Senior Education Capstone Project (0)

Semester Hours: 12

Summary: Program in Art Education

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 39

- ART 1010 - Design Ia
- ART 1030 - Drawing 1 Beginning Drawing
- ART 1040 - Drawing 2 Intermediate Drawing
- ART 1050 - Introduction to Ceramics
- ART 1060 - Introduction to Painting
- ART 1090 - Art Appreciation
- ART 2020 - Introduction to Graphic Design
- ART 2110 - History of Art Ia
- ART 2120 - History of Art Ib
- ART 3200 - Art Trends and Policy
- ART 4999 - Senior Comprehensives
- Art Electives (9)

Education: 36

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- Residency1 (6)
- Residency2 (6)
- Senior Capstone Project (0)
- EDUC 3060B - Strategies and Methods for 4-8 Math

- EDEL 3050A - Methods and Materials in the Teaching of Reading
  or
- EDEL 3050B - Methods and Materials in the Teaching of Reading

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Free Electives: 5

Total Hours: 120

Art, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- ART 1010 - Design Ia
- ART 1030 - Drawing 1 Beginning Drawing
- XCOR 1000 - College Experience
    - College Writing (3)
    - African American Heritage and Legacies (3)
    - Quantitative Reasoning (3)

Semester Hours: 16

Second Semester

- ART 1090 - Art Appreciation
- ART 1040 - Drawing 2 Intermediate Drawing
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)
- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience
    - Human Behavior (3)

Semester Hours: 15

Sophomore Year

First Semester

- ART 2110 - History of Art Ia
- ART 1050 - Introduction to Ceramics
  or
- ART 2070 - Introduction to Sculpture
- ART 1060 - Introduction to Painting
  or
- ART 2080 - Introduction to Printmaking
    - Faith and Society (3)
    - Examined Life (3)

Semester Hours: 15

Second Semester

- ART 2120 - History of Art Ib
- ART 2020 - Introduction to Graphic Design
  or
- ART 3020 - Web Design
    - Free Elective (2)
- Minor (6)

Semester Hours: 14

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- Human Past (3)
- Free Elective (3)
- Art History Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- Scientific Reasoning (3)
- Free Elective (3)
- Art History Elective (3)
- Art Elective (3)
- Minor (3)

Semester Hours: 15

Senior Year

First Semester

- XCOR 3020 - Engaging Global Issues
    - Creative Expression and Engagement (3) (non-Art course)
- Free Elective (3)
- Art Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- ART 4999 - Senior Comprehensives
- Art Elective (3)
- Minor (3)
- Free Elective (3)
- Art Studio Concentration & Senior Exhibition (6)
- Senior Exhibition and exhibition materials (0)

Semester Hours: 15

Summary: Program in Art

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 48

- ART 1010 - Design Ia
- ART 1030 - Drawing 1 Beginning Drawing
- ART 1040 - Drawing 2 Intermediate Drawing
- ART 1090 - Art Appreciation

- ART 1060 - Introduction to Painting
  or
- ART 2080 - Introduction to Printmaking

- ART 1050 - Introduction to Ceramics
  or
- ART 2070 - Introduction to Sculpture

- ART 2020 - Introduction to Graphic Design
- ART 2110 - History of Art Ia
- ART 2120 - History of Art Ib
- ART 3200 - Art Trends and Policy
- ART 4999 - Senior Comprehensives
- Art Electives (9)
- Studio Art Concentration for Senior Exhibition (6)

Minor: 18

Free Electives: 14

Total Hours: 120

ART Electives include: ART 1050, ART 1060, ART 1070, ART 1090, ART 2011, ART 2020, ART 2040, ART 2070, ART 2080, ART 2130, ART 2140, ART 3020, ART 3022, ART 3050, ART 3200, ART 4503, and ART 2600 Community Development.

Performance Studies, B.A.

Freshman Year

First Semester

- ART 1090 - Art Appreciation
- PERF 1000 - Introduction to Performance Studies
- Quantitative Reasoning (3)
- College Writing (3)
- Free Elective or Minor (3)
- XCOR 1000 - College Experience

Semester Hours: 16

Second Semester

- PERF 2010 - Performance of Literature
- Advanced Rhetoric & Composition (3)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- Free Elective or Minor (6)

Semester Hours: 15

Sophomore Year

First Semester

- PERF 2035 - Performance of Everyday Life
    - Faith and Society (3)
    - Human Past (3)
    - Creative Expression and Engagement (3)
    - Scientific Reasoning (3)

Semester Hours: 15

Second Semester

- PERF 2040 - Practicum in Performance Technologies
    - Human Behavior (3)
    - Examined Life (3)
    - African American Heritage and Legacies (3)
- Free Elective or Minor (3)

Semester Hours: 15

Junior Year

First Semester

- PERF 3060 - Performance Composition
- PERF Elective (3)
- XCOR 3010 - Engaging the Mission
- Free Elective or Minor (6)

Semester Hours: 15

Second Semester

- PERF 3030 - Race, Culture, & Communication
- PERF Elective (3)
- XCOR 3020 - Engaging Global Issues
- Free Elective or Minor (6)

Semester Hours: 15

Senior Year

First Semester

- PERF 3400 - Seminar in Performance Theory
- PERF Elective (3)
- Free Elective or Minor (8)

Semester Hours: 14

Second Semester

- PERF 4900 - Performance Studies Capstone
- Free Elective or Minor (12)

Semester Hours: 15

Summary: Program in Performance Studies

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Rhetoric and Composition (3)
    - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 36

* 6 of the 9 hours of major electives must be at the 3000 or 4000 level. Major Electives include: AADS 4025, ART 2510, ART 2600, ART 3065, ENGL 3275, MSCM 2540, MSCM 2580, MUSH 2000, MUSH 2130, PERF 3075, PERF 3200, PERF 4020, and PERF 4133.

- ART 1090 - Art Appreciation
- PERF 1000 - Introduction to Performance Studies
- PERF 2010 - Performance of Literature
- PERF 2035 - Performance of Everyday Life
- PERF 2040 - Practicum in Performance Technologies
- PERF 3030 - Race, Culture, & Communication
- PERF 3400 - Seminar in Performance Theory
- PERF 3060 - Performance Composition
- PERF 4900 - Performance Studies Capstone
- PERF Elective (9) *

Free Electives: 32

Total Hours: 120

Minor

Art Minor

In addition to the two major programs, the Art Department also offers a minor in Art for those students majoring in another discipline. The minor in Art requires a total of eighteen (18) hours [six (6) hours of required courses and twelve (12) hours of additional courses].

Required Courses (6 hours)

Students must select one course from Art History and one course from Design.

Art History (3 hours)

- ART 1090 - Art Appreciation
  or
- ART 2110 - History of Art Ia
  or
- ART 2120 - History of Art Ib

Design (3 hours)

- ART 1010 - Design Ia
  or
- ART 2020 - Introduction to Graphic Design

Additional Courses (12 hours)

Students may select courses from any category.

Art History

- ART 2110 - History of Art Ia
- ART 2120 - History of Art Ib
- ART 2130 - Special Topics in Art History
- ART 4140 - Art of the African Diaspora

Black & White Photography

- ART 3011 - Advanced Black and White Photography

Ceramics

- ART 1050 - Introduction to Ceramics

Color Photography

- ART 3022 - Digital Color Photography

Design

- ART 1010 - Design Ia
- ART 2020 - Introduction to Graphic Design
- ART 3020 - Web Design
- ART 4010 - Graphic Design 2, Intermediate Graphic Design
- ART 4020 - Graphic Design 3, Advanced Graphic Design

Drawing

- ART 1030 - Drawing 1 Beginning Drawing

Painting

- ART 1060 - Introduction to Painting
- ART 3050 - Painting 2, Intermediate Painting
- ART 3060 - Painting 3, Advanced Painting

Printmaking

- ART 2080 - Introduction to Printmaking
- ART 3090 - Printmaking 2 Intermediate Printmaking

Sculpture

- ART 2070 - Introduction to Sculpture
- ART 3070 - Sculpture 2, Intermediate Sculpture

Arts Management Minor

This minor is designed to provide students with the entrepreneurial skills necessary to thrive in a global environment marked by the increasing cultural and economic impact of the visual arts. The program combines social and cultural awareness, nonprofit management and studio art courses to create an innovative program designed to meet the new challenges of the field. The mission of the Arts Management minor is to assist students in the development of management, marketing and financial skills while expanding their understanding of the critical role of art in community-building efforts as well as in social enterprise. Goals include envisioning the arts as an agent for education, social change, and as a tool for building community partnerships. In particular, the community service aspects of working in not-for-profit management will be emphasized in this minor. In the ART 2600 and ART 3200 courses, students will be encouraged to gain practical experience through internships and volunteer opportunities with local and national arts organizations.

Students must complete 18 credit hours in this declared minor, which includes nine (9) hours of art courses and nine (9) hours of business courses for those students who are not art or business majors*.

Art Courses

- ART 1090 - Art Appreciation
- ART 2600 - Developing Community Programs through the Arts
- ART 3200 - Art Trends and Policy

Business Courses

- ACCT 1010 - Principles of Accounting
- BSAD 2020 - Intro to Entrepreneurship
- BSAD 3780 - Organization and Operation of a Small Business

Note:

*Art and Business majors can chose 18 hours of the above courses that do not fulfill another requirement in their major. The remaining hours can be elected from the art or business curricula.

Performance Studies Minor

Required Courses: 9

- PERF 1000 - Introduction to Performance Studies
- PERF 2010 - Performance of Literature
- PERF 3060 - Performance Composition

Elective Courses: 9

Note: 6 of the 9 hours must be taken at the 3000 or 4000 level

- ART 1090 - Art Appreciation
- PERF 2035 - Performance of Everyday Life
- PERF 2040 - Practicum in Performance Technologies
- PERF 3030 - Race, Culture, & Communication
- PERF 3075 - Special Topics in Performance Studies
- PERF 3400 - Seminar in Performance Theory
- PERF 4133 - Independent Study

Certificate

Health Communication Certificate

The curriculum consists of four courses totaling 16 credit hours. Three of four courses are offered online which include both required courses. The remaining course is offered in a traditional face-to-face format. Students can complete the program in a total of 6-9 months.

Required Courses (7 hours)

- CMST 1080 - Health Communication
- CMST 4131 - Independent Study
- PHLT 1001 - Introduction to Public Health

Communication Studies Elective Courses (3 hours)

- CMST 1400 - Interpersonal Communication
- CMST 1500 - Intercultural Communication
- CMST 3030 - Race, Culture and Communication
- CMST 3040 - Small Group Communication

Public Health Sciences Elective Courses (6 hours)

- PHLT 2002 - Health Promotion Program Planning & Evaluation
- PHLT 2004 - Introduction to Environmental Health
- PHLT 4002 - Introduction to Global Health
- PHLT 4003 - Senior Seminar Case Studies

Department of English

Division of Fine Arts and Humanities

Administration Building 317 - (504) 520-7464 - https://www.xula.edu/department?id=english_4d0986d

English majors learn to reason effectively and to communicate well, both orally and in writing. Under the English curriculum students are well prepared to pursue careers in education, law, government service, technical writing, journalism, public relations, business, and the corporate world. The graduating English major may enter a masters or Ph.D. program in English, Comparative Literature, African American and Diaspora Studies, Women's Studies, Cultural Studies, Diaspora Studies, creative writing, technical writing, linguistics, or in any of the humanities. Many of Xavier's English graduates have entered law or graduate school programs.

Students electing English as a major must earn 39 semester hours of English, exclusive of English: ENGL 1000/ENGL 1010-ENGL 1020 and ENGL 1023H. (See course requirements below.) Majors are required to pass a senior comprehensive examination, and must attend all departmental meetings. In order for an English course to be counted for degree credit in English and in English/English Education, a student must earn a "C" or better.

All English courses reinforce the goals of the core curriculum and are writing-intensive as defined by the Academic Council of the College of Arts and Sciences. The following courses are required for the B.A. in English: ENGL 1010/ENGL 1000-ENGL 1020 (or ENGL 1023H), ENGL 2070, ENGL 2080, ENGL 2085, ENGL 2095, ENGL 2400, ENGL 3160, ENGL 3170, five English electives (including at least one period-based course), and one 4000-level English seminar.

Honors in English - Upon receiving a grade of "C" or better in ENGL 1023H , the student will receive 3 semester hours of credit for ENGL 1010.

Students may receive Honors in English in four different ways.

1. For initial placement in the Honors in English program, students must meet criteria that include ACT or SAT scores and high school transcript. The English Department determines final placement. To receive an honors distinction in English, students so chosen must take ENGL 1023H and an additional 6 semester hours with any two English courses of their choice at the 2000, 3000, or 4000 levels, and receive a cumulative average of 3.0 or higher for all three courses (or their equivalent).
2. Students with Advanced Placement credit may take two more English courses at the 2000, 3000, or 4000 level. A cumulative average of 3.0 or higher in these two courses will earn them Honors in English.
3. A student who earns an "A" in ENGL 1010 may also qualify for the honors sequence. A student with credit in programs other than AP should consult the English department head for honors consideration.
4. Students need not be placed in the Freshman English Honors Sequence outlined above to qualify for Honors in English. Students majoring or minoring in English may also earn the honors distinction by completing their courses of study with a 3.5 cumulative average in English. At least eighteen semester hours of English must be earned at Xavier.

Students may use the AP or CLEP examinations as equivalencies for ENGL 1010 or ENGL 1020. Students must have taken the essay portion of the exam as well as the objective portion and must meet with the department head for advising no later than the last day of registration to determine from which course(s) they may be exempt.

Major

English, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- XCOR 1000 - College Experience
    - College Writing (3)

    - Quantitative Reasoning (3)
    - Scientific Reasoning (3)
- Free Elective (5)

Semester Hours: 15

Second Semester

- Advanced Composition and Rhetoric (3)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- ENGL 2400 - Critical Approaches to Literature
    - Creative Expression and Engagement (3)
- Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- ENGL 2070 - Survey of British Literature I
- ENGL 2085 - Survey of African American Literature I
    - Faith and Society (3)
    - Human Past (3)
- Minor (3)

Semester Hours: 15

Second Semester

- ENGL 2080 - Survey of British Literature II
- ENGL 2095 - Survey of African American Literature II
    - Human Behavior (3)
    - Examined Life (3)
    - African American Heritage and Legacies (3)

Semester Hours: 15

Junior Year

First Semester

- ENGL 3160 - Survey of American Literature I
- XCOR 3010 - Engaging the Mission
- English Elective (6)
- Minor (3)

Semester Hours: 15

Second Semester

- ENGL 3170 - Survey of American Literature II
- XCOR 3020 - Engaging Global Issues
- English Period Course (3)
- Minor (6)

Semester Hours: 15

Senior Year

First Semester

- Senior Capstone [ENGL 4999 or ENGL 4500]
- ENGL 40X0S (3)
- English Elective (3)
- Minor (3)
- Free Elective (6)

Semester Hours: 15

Second Semester

- English Elective (3)
- Minor (3)
- Free Elective (9)

Semester Hours: 15

Summary: Program in English

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 39

- ENGL 2400 - Critical Approaches to Literature
- ENGL 2070 - Survey of British Literature I
- ENGL 2080 - Survey of British Literature II
- ENGL 2085 - Survey of African American Literature I
- ENGL 2095 - Survey of African American Literature II
- ENGL 3160 - Survey of American Literature I
- ENGL 3170 - Survey of American Literature II
- ENGL 40X0S (3)
- English Period Course (3)
- English Elective (12)

Minor: 18

Free Electives: 23

Total Hours: 120

English/English Education (Grades 6-12), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

English/English Education offers a Bachelor of Arts degree in two programs: a full English major degree in preparation for graduate school in English and the humanities and an Education degree leading to certification to teach English Education grades 6-12. English/English Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- EDUC 2035 - Child & Adolescent Psychology
- EDUC 1000 - Teacher Prep
- XCOR 1000 - College Experience
    - College Writing (3)
    - Scientific Reasoning (3)
    - Faith and Society (3)
- Quantitative Reasoning (3, MATH 1020)

Semester Hours: 16

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
    - Creative Expression and Engagement (3)
    - Advanced Composition and Rhetoric (3)

Semester Hours: 15

Sophomore Year

First Semester

- ENGL 2070 - Survey of British Literature I
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 2044 - Methods of Classroom Organization and Management
- ENGL 2400 - Critical Approaches to Literature
    - Human Past (3)

Semester Hours: 15

Second Semester

- ENGL 2080 - Survey of British Literature II
- EDUC 3040 - Educational Psychology

- ENGL 3040 - Shakespeare at the Globe
  or
- ENGL 3050 - Shakespeare in Adaptation

    - African American Heritage and Legacies (3)
    - Human Behavior (3)

Semester Hours: 15

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- ENGL 2085 - Survey of African American Literature I
- ENGL 3160 - Survey of American Literature I
- ENGL 2200 - Modern English Grammars
- XCOR 3010 - Engaging the Mission
    - Examined Life (3)

Semester Hours: 15

Second Semester

- ENGL 3170 - Survey of American Literature II
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area
- ENGL 2095 - Survey of African American Literature II
- XCOR 3020 - Engaging Global Issues
- English Elective (3)

Semester Hours: 15

Senior Year

First Semester

- EDUC 4030 - Educational Measurement and Evaluation
- ENGL 3315 - Teaching English
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC Residency I (6)
- ENGL 40X0S (3)

Semester Hours: 15

Second Semester

- ENGL 4999 - Senior Comprehensives

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- EDUC Residency II (6)
- EDUC Senior Capstone Project (0)
- English Elective (3)
- Free Elective (3)

Semester Hours: 15

Summary: Program in English/English Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 39 **

- ENGL 2070 - Survey of British Literature I
- ENGL 2080 - Survey of British Literature II
- ENGL 2085 - Survey of African American Literature I
- ENGL 2095 - Survey of African American Literature II
- ENGL 2400 - Critical Approaches to Literature
- ENGL 3160 - Survey of American Literature I
- ENGL 3170 - Survey of American Literature II
- ENGL 3315 - Teaching English
- ENGL 2200 - Modern English Grammars

- ENGL 3040 - Shakespeare at the Globe
  or
- ENGL 3050 - Shakespeare in Adaptation

- ENGL 4999 - Senior Comprehensives
- English Elective (6)
- ENGL 40X0S (3)

Education: 39

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3040 - Educational Psychology
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area
- EDUC Residency I (6)
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC Residency II (6)
- EDUC Senior Capstone Project (0)

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

or

- EDSC 4150 - Teaching Reading in the Content Areas

Free Elective: 3

Total Hours: 121

*Teacher certification standards require 3 hours in BIOL, CHEM, IPSC, or PHYS, in addition to the other courses listed above.

***EDUC 1000 is a prerequisite for all Education courses.

Minor

Creative Writing Minor

The Creative Writing program is committed to developing creative written expression. Through writing-intensive seminars and workshops, Creative Writing minors: (1) develop their creative thinking and writing ability; (2) gain a greater sensitivity to language; (3) learn to offer and respond to constructive criticism; (4) learn to read literature in terms of craft and method; (5) create a portfolio of artistic work; and (6) become familiar with contemporary authors.

These skills will serve students whether they pursue graduate school or careers immediately after graduation. Depending upon the student's major, the graduating Creative Writing minor's options may include pursuing a Master of Fine Arts in Creative Writing or a Doctorate in English, either of which would qualify him or her for a career in college teaching.

The minor in Creative Writing consists of eighteen (18) hours. Students completing this minor are required to take:

Required Courses

- CRWT 1050 - Introduction to Creative Writing

At least two of the following:

- CRWT 2050 - Poetry Workshop
- CRWT 2060 - Fiction Writing
- CRWT 2070 - Creative Nonfiction
- CRWT 2080 - Dramatic Writing

At least one of the following:

- CRWT 3060 - Special Topics
- CRWT 4050 - Seminar
- CRWT 4060 - Creative Thesis

Note:

CRWT 2141/ENGL 2141, CRWT 2143/ ENGL 2143 - Journal Practicum also counts towards the minor.

Students may repeat any course, except CRWT 1050, one time.

A grade of "C" or better must be earned in all courses taken in the minor.

English Minor

Students electing English as a minor must earn 18 hours of English beyond ENGL 1000/ENGL 1010-ENGL 1020. ENGL 2400 and count toward the 18 hours of the minor.

Professional Writing Minor

The Department of English also offers a Professional Writing minor. A grade of "B" or better in ENGL 1000/ENGL 1010 and ENGL 1020/ENGL 1023H/ENGL 1025 will be required of students who are completing the program as their academic minor. The minor in Professional Writing consists of Professional Writing courses and courses in English, Creative Writing, and Mass Communication.

Required Courses

- **TWO workshop seminars** that, while different in focus, emphasize clear prose writing for a general audience (PRWT 2000 and PRWT 2070/CRWT 2070);
- **ONE class on grammar** (PRWT 2200/ENGL 2200);
- **ONE class on technical writing** (PRWT 3155); and
- **ONE of the following six choices**, adding up to an additional 6 hours;

1. two sections of On-campus Writing Apprenticeship (PRWT 4000) ; or

2. two sections of Off-campus Writing Apprenticeship (PRWT 4001); or

3. PRWT 4000 and PRWT 4001 (one section each); or

4. MSCM 2222 and MSCM 2500; or

5. MSCM 2222 and one 3-hour writing course (such as Science Writing or Advanced Composition; course must be approved by program director); or

6. one 3 hour writing course and one section of Writing Apprenticeship (course must be approved by program director).

Total Hours: 18

No grade lower than a "C" may be applied to the minor.

Department of History

Division of Fine Arts and Humanities

Administration Building 212 - (504) 520-7581 - https://www.xula.edu/department?id=history_e2642ea

The skills of a history major are highly valued in all professions. Students completing the history curriculum acquire the ability to analyze complex issues, events, and ideas by mastering analytical thinking, writing, and communication skills. Dedicated to the

humanistic study of the past to understand the present better and navigate the future successfully, graduating history majors are well prepared to pursue careers in law, medicine, journalism, business, international relations, government, public history, politics, publishing, research and teaching. An undergraduate degree in history is also excellent preparation for masters or Ph.D. programs in history, area studies, gender studies, or any humanities or social science discipline.

Major in History - Students who major in history must earn 33 hours in history. Of these 33 hours, the following are required: HIST 2010, HIST 2020, HIST 2415, and HIST 4415S. Of the remaining hours, 15 must be at the 3000-4000 level. In addition, all majors are required to complete HIST 4999, nine hours of world languages (at least six hours of which must be in a single language), and attend departmental meetings. No grade lower than a "C" in any of the departmental offerings may be applied for credit in the major.

Minor in History - Students who select a minor in history must earn 18 hours in HIST offerings. Required courses are HIST 2010 and HIST 2020. The additional 12 semester hours must include at least 3 semester hours at the 3000-4000 level.

Major in Social Studies Education - Students who major in Social Studies Education must earn 27 hours in history. The following 15 hours are required: HIST 1030 or HIST 1031H, HIST 1040 or HIST 1041H, HIST 2010, HIST 2020, and HIST 2415. Of the remaining 12 hours, 3 must be at the 2000-level or above, and 9 must be at the 3000-4000 level. No grade lower than a "C" in any of the departmental offerings may be applied for credit in the major. Social Studies Education majors are required to achieve an acceptable score (determined by the Louisiana Department of Education) on all parts of the Praxis, including Praxis II: Specialty Area Test, in order to graduate.

Honors in History - Students selected by the placement process of the Admissions Office will be awarded honors in history if they earn at least a "B" each in a 1000-level course with a designation of "H", any 2000-level course, and any 3000- or 4000-level course. Students may also take two 2000-level courses and one 3000-/4000-level course to fulfill the honors requirement, again provided they earn at least a "B" in each class. Other students may be considered for Honors in History with the approval of the department head.

Major

History, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)
    - Human Behavior (3)
    - Human Past (3)
- HIST 1000-level or higher (3)

Semester Hours: 16

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Rhetoric and Composition (3)
    - Scientific Reasoning (3)
- HIST 1000-level or higher (3)
- Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- HIST 2010 - The United States to 1865
- HIST 2415 - Introduction to Historical Research and Writing
    - African American Heritage and Legacies (3)
    - Examined Life (3)
- World Language (3)

Semester Hours: 15

Second Semester

- HIST 2020 - The United States Since 1865
- HIST 3000-level or higher (3)
- World Language (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- HIST 3000- or 4000-level (3)
    - Faith and Society (3)
- World Language (3)
- Minor (3)

Semester Hours: 15

Second Semester

- XCOR 3020 - Engaging Global Issues
    - Creative Expression and Engagement (3)
- HIST 3000- or 4000-level (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Senior Year

First Semester

- HIST 4415S - Seminar in Historical Research
- HIST 3000- or 4000-level (3)
- Free Elective (3)
- Minor (6)

Semester Hours: 15

Second Semester

- HIST 4999 - Senior Capstone
- HIST 3000- or 4000-level (3)
- Free Electives (8)
- Minor (3)

Semester Hours: 14

Summary: Program in History

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0, HIST 4999)

Major: 42

- HIST 1000-level or higher (6)
- HIST 2010 - The United States to 1865
- HIST 2020 - The United States Since 1865
- HIST 2415 - Introduction to Historical Research and Writing
- HIST 3000-level or higher (15)
- HIST 4415S - Seminar in Historical Research
- HIST 4999 - Senior Capstone
- World Language(s) (9)

Minor: 18

Free Electives: 20

Total Hours: 120

Social Studies Education (Grades 6-12), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Students who major in Social Studies Education must earn 27 hours in history. The following are required: HIST 1030 or HIST 1031H, HIST 1040 or HIST 1041H, HIST 2010, HIST 2020, HIST 2415, and at least nine hours of 3000- or 4000- level courses. No grade lower than a "C" in any of the departmental offerings may be applied for credit in the major. Social Studies Education majors are required to achieve an acceptable score (determined by the Louisiana Department of Education) on all parts of the Praxis, including Praxis II: Specialty Area Test, in order to graduate.

Social Studies Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- GEOG 1010 - World Geography
- XCOR 1000 - College Experience
    - College Writing (3)
    - Human Past (3, HIST 1030/HIST 1031H)
    - Quantitative Reasoning (3, MATH 1020)

Semester Hours: 16

Second Semester

- HIST 1040 - World Civilizations Since 1500
  or
- HIST 1041H - World Civilizations Since 1500

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Rhetoric and Composition (3, ENGL 1020)
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing

Semester Hours: 15

Sophomore Year

First Semester

- HIST 2010 - The United States to 1865
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- HIST 2415 - Introduction to Historical Research and Writing
    - Faith and Society (3)
    - Scientific Reasoning (3)

Semester Hours: 18

Second Semester

- HIST 2020 - The United States Since 1865
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)
    - Examined Life (3)
    - Human Behavior (3, EDUC 3040)
- Free Elective (1)

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- XCOR 3010 - Engaging the Mission
- ECON 1030 - Introduction to Economics
- PSCI 1020 - American Government
- HIST 2000-, 3000-, or 4000-level (3)
- Free Elective (4)

Semester Hours: 16

Second Semester

- XCOR 3020 - Engaging Global Issues
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- ENGL 2200 - Modern English Grammars
- HIST 3040 - History of Louisiana
  or
- EDUC 4005S - Praxis Specialty Area

- GEOG 3020 - Louisiana and Its Resources

- HIST 3000- or 4000-level (3)

Semester Hours: 15

Senior Year

First Semester

- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- HIST 3000- or 4000-level (3)
- Residency1 (6)
- Residency Seminar (0)

Semester Hours: 12

Second Semester

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- Residency2 (6)
- Residency Seminar (0)
- Senior Capstone Project (0)
- HIST 3000- or 4000-level (3)

Semester Hours: 12

Summary: Program in Social Studies Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3, MATH 1020)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 42

(27 hrs. HIST [incl. 3 hrs. Human Past] + 15 hrs. content specific curriculum)

- HIST 1030 - World Civilizations to 1500
  or
- HIST 1031H - World Civilizations to 1500

- HIST 1040 - World Civilizations Since 1500
  or
- HIST 1041H - World Civilizations Since 1500

- HIST 2010 - The United States to 1865
- HIST 2020 - The United States Since 1865
- HIST 2415 - Introduction to Historical Research and Writing
- HIST 2000-level or higher (3)
- HIST 3000-level or higher (3)
- ECON 1030 - Introduction to Economics
- ENGL 2200 - Modern English Grammars
- GEOG 1010 - World Geography

- GEOG 3020 - Louisiana and Its Resources
  or
- HIST 3040 - History of Louisiana

- PSCI 1020 - American Government

Minor: 39

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3040 - Educational Psychology

- EDEL 3050A - Methods and Materials in the Teaching of Reading
  or
- EDEL 3050B - Methods and Materials in the Teaching of Reading

- Residency1 (6)
- Residency Seminar (0)
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4005S - Praxis Specialty Area
- Residency2 (6)
- Residency Seminar (0)
- Senior Capstone Project (0)

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Free Electives: 5

Total Hours: 120

Minor

History Minor

Students who select a minor in history must earn 18 hours in HIST offerings. Required courses are HIST 2010 and HIST 2020. The additional 12 semester hours must include at least 3 semester hours at the 3000-4000 level.

Department of Languages

Division of Fine Arts and Humanities

Administration Building, Suite 215 - (504) 520-7495 - https://www.xula.edu/department?id=languages

Department of Languages Mission Statement

Taking as the most fundamental principle the creation of a more just and humane society, the Department of Languages embodies a pluralistic teaching and learning environment by exemplifying diversity. Courses in the Department of Languages are infused with a multicultural, multiethnic content that counters the inexcusable and all too frequent omission of the African continental and Diaspora presence in the teaching of languages and literatures, while at the same time incorporating a global perspective which prepares students for their professional and personal lives in the third millennium.

Through the department's diversity, varied research interests, and dedication to a pluralistic and integrated pedagogy, the Department of Languages works to advocate a sound intellectual dialogue, a rigorous and progressive academic formation, and a commitment to stand firm against all forms of injustice. The faculty engage in the ongoing enhancement of the curricula and ensure that the courses are all encompassing, enriching, and challenging.

Introduction

Language is the gatekeeper and conveyor of culture. The Xavier University Department of Languages provides definitive traditional and innovative training in languages, literatures, and cultures, which represent the three fundamental, integral, and complementary aspects of language learning in any venue, here particularly in French and Spanish. By its very nature, teaching and learning in the Department of Languages compel the dissemination of interdisciplinary information on languages and language skills (listening, speaking, reading and writing), literatures, culture, history, politics, etc. We offer a major and a minor in French and Spanish, and an interdisciplinary minor in Afro Latin American and Caribbean Studies (ALACS). In conjunction with the Center for International and Intercultural Programs (CIIP), we also offer faculty-led international and multicultural study abroad opportunities to Spanish and French-speaking countries. While maintaining a heavy target language focus in both French and Spanish, the ALACS courses are enriching culture-based courses and are not considered language learning based or literature courses, and cannot count as such. Students are encouraged to include these ALACS courses in their curriculum as electives, particularly because they focus on the history, lives, and contributions of Black Latin American and Caribbean citizens to the countries and civilizations in which they live. This is a most unique course of study and the only one of its kind as a minor at the undergraduate level in the USA.

ALL courses in the Department of Languages, whether basic or advanced language learning courses at all academic levels, international literature courses, or culture-based courses, must of necessity include and require constant critical analysis and intense analytical thinking skills; and they must also inherently incorporate cultural content. Furthermore, all courses at every level of teaching and study must and do have definitive educational learning objectives in keeping with traditional and developing language teaching methodologies and strategies. Language teaching and language learning cannot be conducted without such basic educational tenets. Recognizing this essential relationship between language and culture, the Department of Languages seeks to infuse its courses with significant content and cultural information.

The Department of Languages contributes to a heightened sense of global community and world citizenship and assists in the development of the language and cultural skills necessary for graduates to function effectively in intercultural and international work environments. The curriculum is proficiency-based (the acquisition of the four primary skills in the target language: comprehension, speaking or signing, reading, and writing), and emphasizes an understanding of the target culture. The language curriculum affirms the crucial role of literature in developing critical and analytical thinking skills and in providing insight into culture and the transmission of societal values.

Careers enjoyed by language alumni are interdisciplinary and international in scope and include teaching languages at every level, the Foreign Service, law, business, health care, international relations, translation and interpretation, tourism and travel. Xavier language alumni have pursued graduate and professional degrees in business, medicine, education, fine arts, performing arts, law, international affairs, psychology, sociology, languages and literature. They have served the national and international communities in these and other disciplines. They serve on prominent nationally and internationally recognized governing boards, and as university presidents and vice presidents.

Students receive instruction in the diverse cultures and content areas expressed by their languages of choice. The Department of Languages is committed to teaching the international significance of the primary target languages of French and Spanish, and stresses their importance as bases for communication particularly by peoples of color. All students considering a major in languages **must confer** with a departmental advisor as early as possible in their Xavier careers so that their curricula can be appropriately designed and will be inclusive of both skills and content courses.

Instructional Strategies

Instructors in the Department of Languages are committed to the incorporation of instructional technology, experiential learning, and inter-departmental collaboration. In addition to traditional classrooms, the Department of Languages offers instruction in electronic classrooms with multimedia facilities, computerized teaching laboratories, and seminar rooms for upper level classes. Many skills level courses feature Internet enhanced instruction, online homework, and instructor-developed multimedia programs.

The Languages faculty is composed of instructors from many cultural and ethnic backgrounds and nationalities. Because of the nature of language instruction, students are exposed to a diversity of cultures and perspectives both in the structure of their courses and in contact with their professors. Combining exciting and enriching instruction with the latest in classroom technology, our classes are small. Students receive close personal attention at all levels of instruction. By taking advantage of the

many cultural resources of New Orleans and south Louisiana, students can participate in local and regional multicultural learning experiences involving language practice.

Placement and Credit Policy

Any student who has taken two or more years of French or Spanish courses in high school must take the Department Placement Exam. Test scores will be sent to the Department of Languages where appropriate placement levels will be determined according to the Placement chart below. THE TEST MUST BE COMPLETED BEFORE THE STUDENT'S ARRIVAL AT THE UNIVERSITY.

All students must take the Language Placement Exam prior to registering for a language course. Placement will be contingent upon their years of previous language study and the Webcape Placement score that corresponds to the student's test score, according to the following chart. Native speakers and students with 3 or more years of language study cannot register for the 1010 level of the language they have studied previously. The recommended level of entry is 2010 or above, since 2010 reviews all previous language study. These students may also enter 1090, which is a Conversation and Culture course that reviews basic grammatical and communicative skills in a cultural context. They may also enroll in the 1010-1020 sequence in a language they have not studied in high school.

Transfer students with previous language study at the 1020 level or above documented on the transcript may receive credit for 1010 in that language.

RECOMMENDED

Placement score	FREN or SPAN Placement	FREN or SPAN credit awarded
0-99	1010	
100-175	1020	1010
176-235	1090	1020
236-299	2010	1020
300-399	2020	2010
400 or higher	3000+ level	2020

Students will be required to complete at least one course at Xavier, at a level appropriate to the placement score with a grade of 'C' or better, before the preceding placement course credit of three hours is granted.

Since the choice of a language is closely tied to personal career goals and inclinations, the language faculty is prepared upon request to assist in the selection of that language. Students who have prior preparation in a language and who wish to continue study of the same language may also use Advanced Placement (AP), CLEP, and International Baccalaureate (IB) scores for credit and placement in upper-level courses. See "Credit by Examination" on the university web site for further details (http://www.xula.edu/cas/credit.php). Students with six hours of AP or CLEP credits in a language may use these credits as electives or to meet the Fundamentals Core requirement as well as for placement in upper-level language courses.

Note: *Any exception to this policy requires written permission from the Languages Department Head.*

Updates to this policy can be found at: http://www.xula.edu/cas/documents/lang_placement.pdf.

Majors and Minors

The Department of Languages offers majors and minors in French and Spanish, with additional study available in American Sign Language, Mandarin, Biblical Greek, Biblical Hebrew, and Latin . Ordinarily, the major requires 30 semester credit hours in the target language beyond 1010-1020; students who wish to begin a language major at the elementary level receive assistance from their advisors and other members of the department faculty in order to facilitate course planning leading to satisfactory completion of all necessary coursework in a timely fashion. Language majors and minors and other interested students have access to summer, semester, and year-abroad international study through the Center for Intercultural and International Programs (CIIP). All students are urged to take advantage of this opportunity. Most upper-level students and double majors in the department earn part of their required credits through immersion study in a country where their language of choice is spoken. These students return to Xavier with advanced-level language skills, as determined by the Oral Proficiency Interview (OPI) examination developed by the American Council on the Teaching of Foreign Languages (ACTFL).

Eighteen hours of major courses and nine hours of minor courses must be completed at Xavier unless the student obtains permission from the department head and the Dean of the College of Arts and Sciences. Students interested in majoring or minoring in a language and studying abroad **must** have a language advisor and **must** consult with that advisor prior to entering the program of study or registering for international coursework. All students should take at least one literature course either before or during foreign study. Majors are required to complete at least four literature courses, to attend all departmental meetings, and to pass a comprehensive examination in the target language. This comprehensive examination contains literary topics on European, Latin American, and African texts, as appropriate to language and course selection.

Concentration in Languages - Students desiring a double concentration in languages must complete 12 hours in each of two languages (24 hours total) or in a language and another discipline. Recommended courses for a 12-hour concentration in languages include the following: 1090, 2010-2020, and one 3000 or 4000 level course, or 12 hours of all upper level courses, depending on the student's level of performance.

Language Department Policy

1. Because the Department of Languages Placement Policy clearly states that native speakers and students with 3 or more years of language study cannot register for the 1010 level of the language they have studied previously. The recommended level of entry is 2010 or above, since 2010 reviews all previous language study. The Department of Languages does not recognize course credit for native speakers who take elementary level courses in their native language. Native and non-native speakers cannot register for any classes below their placement level.
2. All language students MUST have an advisor in the Department of Languages and MUST NOT self advise. Language students must meet with their advisors prior to registration and pre-registration periods and particularly prior to study abroad to insure that they are progressing appropriately toward their desired degrees.
3. Upper-level language students by placement credit or who have completed the intermediate level must not register for lower level language courses, except for 1090 and 2020, and then only with special written permission. Other than the ones mentioned above, lower level courses taken by upper level students will not count toward the pursuit of any degree and will negate student eligibility for membership into the International Foreign Language Honor Society.

The programs of the Department of Languages open the doors to other cultures and offer many exciting options for future professional development, giving students access to a rainbow of communities and civilizations. Department graduates take their rightful places as world citizens who contribute to the complex and challenging global economy of the 21st century.

Major

French Education (Grades K-12), B.A.

For a list of courses that satisfy core curriculum requirements, click here: The Core Curriculum.

French Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should

consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)
- XCOR 1000 - College Experience
    - College Writing (3)
- Free Electives (6)

Semester Hours: 16

Second Semester

- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- FREN 1090 - Conversation and Culture
  or
- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- 3000 level course (3)

Semester Hours: 15

Sophomore Year

First Semester

- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12

    - Scientific Reasoning (3)
    - Human Past (3)
    - Faith and Society (3)

- FREN 1090 - Conversation and Culture
  or
- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- 3000 level course (3)

Semester Hours: 18

Second Semester

- FREN 4031 - Directed Readings in French
- EDUC 3040 - Educational Psychology (Human Behavior)
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)
    - Examined Life (3)

- FREN 2020 - Intermediate French
  or
- 3000 level course (3)

Semester Hours: 16

Junior Year

Freshman Year

- FREN 3021 - Readings in Francophone Culture
- FREN 3011 - Advanced Conversation
- FREN 4051 - Special Topics in French
- FREN 3000 or 4000 literature course (1)
- XCOR 3010 - Engaging the Mission

Semester Hours: 13

Second Semester

- EDUC 4005S - Praxis Specialty Area

- AADS 4025 - Afro Latin American Oral Traditions
  or

- AADS 4030 - Afro Latin American Culture and Civilization

- XCOR 3020 - Engaging Global Issues
- Free Electives (6)
- FREN 3000/4000 (6)

Semester Hours: 18

Senior Year

First Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4030 - Educational Measurement and Evaluation
- Residency1 (6)
- FREN 4000 level (3)

Semester Hours: 12

Second Semester

- FREN 4050 - Internship
- Residency2 (6)
- Senior Capstone Project (0)

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

Semester Hours: 12

Summary: Program in French Education (Grades K-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 30-33

Many students enter with a score on the WebCAPE exam that allows them placement in the 2000 or 3000 course level.

- FREN 1090 - Conversation and Culture
- FREN 2010 - Intermediate French
- FREN 2020 - Intermediate French
- FREN 3001 - Advanced Grammar and Composition
- FREN 3011 - Advanced Conversation
- FREN 3021 - Readings in Francophone Culture
- Upper-level literature courses (12-15) (These may be taken abroad, at Tulane or Loyola through the Consortium, or as FREN 4051/FREN 4052 Special Topics Courses.)

Minor: 36

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDEL 3050A - Methods and Materials in the Teaching of Reading
- EDUC 4030 - Educational Measurement and Evaluation
- Residency1 (6)
- Residency2 (6)
- Senior Capstone Project (0)
- EDUC 3005L - Principles of Learning and Teaching Praxis II

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or

- EDSC 4150 - Teaching Reading in the Content Areas

Free Electives: 14

Total Hours: 120

French, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- FREN 1090 - Conversation and Culture
  or
- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- FREN 3001 - Advanced Grammar and Composition

- XCOR 1000 - College Experience
  - College Writing (3)
  - Quantitative Reasoning (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 16

Second Semester

- FREN 1090 - Conversation and Culture
  or
- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- FREN 3001 - Advanced Grammar and Composition

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- Creative Expression and Engagement (3)

    - Advanced Rhetoric and Composition (3)
- Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- FREN 3001 - Advanced Grammar and Composition
  or
- FREN 3000 level class (3)

    - Faith and Society (3)
- Human Past (3)
    - Scientific Reasoning (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 18

Second Semester

- FREN 2010 - Intermediate French
  or
- FREN 2020 - Intermediate French
  or
- FREN 3001 - Advanced Grammar and Composition
  or
- other FREN 3000 level class (3)

    - Human Behavior (3)
    - Examined Life (3)
    - African American Heritage and Legacies (3)
- Minor (3)

Semester Hours: 15

Junior Year

With Study Abroad

First Semester

- XCOR 3020 - Engaging Global Issues (Requirement can be satisfied by a study abroad experience)
- Major (12)
- Free Elective (2)

Semester Hours: 17

Second Semester

- XCOR 3010 - Engaging the Mission

- FREN 3021 - Readings in Francophone Culture
  or
- Literature or Culture Elective (3)

- Minor (3)
- Free Electives (6)

Semester Hours: 15

Without Study Abroad

First Semester

- FREN 3001 - Advanced Grammar and Composition
  or
- FREN 3002 - Advanced Grammar and Composition
  or
- 3000 level course (3)

- FREN 4000 level (3)
- Free Elective (5)
- FREN Literature or Culture Elective (3)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 17

Second Semester

- XCOR 3010 - Engaging the Mission

- FREN 3021 - Readings in Francophone Culture
  or
- Literature or Culture Elective (3)

- Minor (3)

- Free Electives (6)

Semester Hours: 15

Senior Year

First Semester

- FREN 4053 - Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature.
  or
- FREN Literature Elective (3)
  or
- FREN 4050 - Internship

- Free Electives (6)
- Minor (3)
- Senior Capstone (0)

Semester Hours: 12

Second Semester

- FREN 4050 - Internship
  or
- FREN Literature Electives (3)

- Free Electives (6)
- Minor (3)

Semester Hours: 12

Summary: Program in French

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 30 *

- FREN 1090 - Conversation and Culture
- FREN 2010 - Intermediate French
- FREN 2020 - Intermediate French
- FREN 3001 - Advanced Grammar and Composition
- FREN 3011 - Advanced Conversation
- FREN 3021 - Readings in Francophone Culture
- FREN 4053 - Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature. (These may be taken abroad, at Tulane or Loyola through the Consortium, or as FREN 4051/FREN 4052 Special Topics Courses.)
- Senior Capstone (3)
- Upper-level literature courses (9)

Minor: 18

Free Electives: 32

Total Hours: 120

* May be more, according to the number of hours if the student chooses to take a language elective with more than 3 credit hours at another institution, either abroad or in the US. Many students enter with a score on the WebCAPE exam that allows them placement in the 2000 or 3000 course level, which results in the addition of 3 hours of bypass credit.

Spanish Education (Grades K-12), B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Spanish Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- SPAN 1090 - Conversation and Culture
  or
- SPAN 2010 - Intermediate Spanish
  or
- SPAN 2020 - Intermediate Spanish
  or
- 3000 level course (3)

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)
- XCOR 1000 - College Experience
- Free Elective (3)
  - College Writing (3)

Semester Hours: 16

Second Semester

- SPAN 2010 - Intermediate Spanish
  or
- SPAN 2020 - Intermediate Spanish
  or
- 3000 level course (3)

- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- SPAN 2020 - Intermediate Spanish
  or
- 3000 level course (3)

- EDUC 2500 - Methods of Teaching 1-12
- EDUC 2044 - Methods of Classroom Organization and Management
  - Scientific Reasoning (3)
  - Human Past (3)
  - Faith and Society (3)

Semester Hours: 18

Second Semester

- EDUC 3040 - Educational Psychology (Human Behavior)
  - African American Heritage and Legacies (3)
  - Creative Expression and Engagement (3)
  - Examined Life (3)
- SPAN 3000 level (Grammar/comp) (3)
- SPAN 3000 level (Literature) (3)

Semester Hours: 15

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- SPAN 3000 (readings or literature course) (3)
- SPAN 3000 (advanced conversation or lit) (3)
- Free Elective (3)

Semester Hours: 12

Second Semester

- XCOR 3020 - Engaging Global Issues
- EDUC 4005S - Praxis Specialty Area

- AADS 4025 - Afro Latin American Oral Traditions
  or

- AADS 4030 - Afro Latin American Culture and Civilization

- SPAN 3000/4000 (Lit) (6)
- Free Electives (6)

Semester Hours: 18

Senior Year

First Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4030 - Educational Measurement and Evaluation
- Residency1 (6)
- SPAN 4000 level (3)

Semester Hours: 12

Second Semester

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- SPAN 4000 (Lit or Internship) (3)
- Senior Capstone Project (0)
- Residency2 (6)

Semester Hours: 12

Summary: Program in Spanish Education (Grades K-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 30-33

- SPAN 1090 - Conversation and Culture
- SPAN 2010 - Intermediate Spanish
- SPAN 2020 - Intermediate Spanish
- SPAN 3001 - Advanced Grammar and Composition
- SPAN 3011 - Advanced Conversation
- Upper-level literature courses (12-15)

Minor: 36

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 2005M - Praxis PPST Math
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005R - Praxis PPST Reading
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2500 - Methods of Teaching 1-12
- EDEL 3050A - Methods and Materials in the Teaching of Reading
- EDUC 4030 - Educational Measurement and Evaluation
- EDUC 3005L - Principles of Learning and Teaching Praxis II

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- Residency1 (6)
- Residency2 (6)
- Senior Capstone Project (0)

Free Electives: 14

Total Hours: 120

Spanish, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- SPAN 1010 - Elementary Spanish
  or
- SPAN 1020 - Elementary Spanish
  or
- SPAN 1090 - Conversation and Culture
  or
- SPAN 2010 - Intermediate Spanish
  or
- SPAN 2020 - Intermediate Spanish
  or
- SPAN 3001 - Advanced Grammar and Composition

- XCOR 1000 - College Experience
- College Writing (3)
  - Quantitative Reasoning (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 16

Second Semester

- SPAN 1090 - Conversation and Culture
  or
- SPAN 2010 - Intermediate Spanish
  or
- SPAN 2020 - Intermediate Spanish
  or
- SPAN 3001 - Advanced Grammar and Composition

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - Creative Expression and Engagement (3)
  - Advanced Rhetoric and Composition (3)

- Free Elective (3)
- Minor (3)

Semester Hours: 18

Sophomore Year

First Semester

- SPAN 2020 - Intermediate Spanish
  or
- SPAN 3001 - Advanced Grammar and Composition
  or
- SPAN 3002 - Advanced Grammar and Composition
  or
- Conversation (3)
  or
- Spanish literature course (3)

  - Faith and Society (3)
  - Human Past (3)
  - Scientific Reasoning (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 18

Second Semester

- SPAN 3001 - Advanced Grammar and Composition
  or
- SPAN 3002 - Advanced Grammar and Composition
  or
- Spanish literature course (3)

  - Human Behavior (3)
  - African American Heritage and Legacies (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Junior Year

First Semester

Study Abroad Option

- XCOR 3020 - Engaging Global Issues (Requirement can be satisfied by a study abroad experience)
- Major (12)
- Free Elective (2)

Semester Hours: 17

Without Study Abroad

- XCOR 3020 - Engaging Global Issues

- SPAN 3001 - Advanced Grammar and Composition
  or
- SPAN 3002 - Advanced Grammar and Composition
  or
- 3000 level course (3)

- Spanish literature course (3)
- 4000 level Spanish course (3)
- Free Elective (5)

Semester Hours: 17

Second Semester

- XCOR 3010 - Engaging the Mission

- SPAN 3021 - Spanish Civilization
  or
- Spanish literature course (3)

- Minor (3)
- Free Elective (3)

Semester Hours: 12

Senior Year

First Semester

- Spanish literature course (3)
- Examined Life (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 12

Second Semester

- SPAN 4050 - Internship
  or
- Spanish Literature Elective (3)

- SPAN 4999 - Senior Comprehensives
- Free Electives (6)
- Spanish literature course (3)
- Senior Capstone (0)

Semester Hours: 12

Summary: Program in Spanish

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 30 *

- SPAN 1090 - Conversation and Culture
- SPAN 2010 - Intermediate Spanish
- SPAN 2020 - Intermediate Spanish

- SPAN 3001 - Advanced Grammar and Composition
  or
- SPAN 3002 - Advanced Grammar and Composition

- SPAN 4053 - Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature

- SPAN 4051 - Special Topics in Spanish
  or
- Senior Capstone (3)

- Upper-level literature courses (may be taken abroad) (9)

Minor: 18

Free Electives: 32

Total Hours: 120

* May be more, according to the number of hours if the student chooses to take a language elective with more than 3 credit hours at another institution, either abroad or in the US. Many students enter with a score on the WebCAPE exam that allows them placement in the 2000 or 3000 course level, which results in the addition of 3 hours of bypass credit.

Minor

Afro Latin American and Caribbean Studies (ALCS) Minor

In order to fulfill the requirements of the minor, students must take 6 hours of required courses, 6 hours of Languages courses, and 6 hours of interdisciplinary courses.

Required

ALCS minors must take 6 hours of the following required courses.

- ALCS 1050 - Exploration of Afro Latin America and Caribbean Studies

- ALCS 2030 - Introduction to the Afro-Francophone World
  or
- ALCS 2050 - Readings on Afro Latin America and the Caribbean

Language

ALCS minors are required to take 6 hours of the following Language courses.

- ALCS 3015 - Afro Latin America and Caribbean Culture and Readings
- ALCS 3021 - Readings in Francophone Culture
- ALCS 3022 - Afro Francophone Women Writers
- ALCS 4010 - Littérature Africaine Francophone (The Literature of French-Speaking Africa and the Caribbean)
- ALCS 4020 - Afro Hispanic Studies
- ALCS 4025 - Afro Latin American Oral Traditions
- ALCS 4030 - Afro Latin American Culture and Civilization
- ALCS 4035 - Representations of Black Africans in Hispanic Literature

Interdisciplinary

ALCS minors are required to take 6 hours of the following interdisciplinary courses.

- AADS 3020 - Special Topics in African American and Diaspora Studies
- AADS 3370 - African Americans, Africa, and Pan Africanism
- ENGL 3185 - Special Topics in African American Literature
- ENGL 3275 - The Postcolonial Novel
- ENGL 3400 - Critical Theory
- HIST 2700 - Introduction to Latin American History
- HIST 3675 - The Black Atlantic World
- HIST 3700 - Caribbean History and Roots
- HIST 3800 - Race in the Americas
- PSCI 4640 - The Politics of Developing Nations
- SOCI 2060 - Race and Ethnic Relations
- WMST 1030 - Introduction to Women's Studies

Chinese Minor

Required Courses (18 hours)

- CHIN 1010 - Elementary Mandarin
- CHIN 1020 - Elementary Mandarin
- CHIN 2010 - Intermediate Mandarin
- CHIN 2020 - Intermediate Chinese
- CHIN 3010 - Special Topics in Chinese
- CHIN 3011 - Readings in Chinese Literature

Optional Course (3 hours)

*Students who have taken CHIN 1020, or whose Chinese language proficiency is above CHIN 1020, can enroll in the CHIN 1090 class as an option when they participate in the two-week Summer Study Abroad in China program. To earn three credits for CHIN 1090, students have to study Chinese for two more weeks in China. Those who desire to pursue the Chinese Minor will then bypass CHIN 2010 and enroll in CHIN 2020 following CHIN 1090.

- CHIN 1090 - Conversation and Culture *

French Minor

Students are required to complete eighteen hours of courses in French, six hours of which must be at the 3000 level or above and should include a course on literature. Nine hours of minor courses must be completed at Xavier unless the student obtains permission from the department head and the Dean of the College of Arts and Sciences.

Spanish Minor

Students are required to complete eighteen hours of courses in Spanish, six hours of which must be at the 3000 level or above and should include a course on literature. Nine hours of minor courses must be completed at Xavier unless the student obtains permission from the department head and the Dean of the College of Arts and Sciences.

Certificate

Spanish for Health Professionals Certificate

The curriculum consists of 16 credit hours. Students also have the option to do a clinical practicum during summer study along with courses. At present, most of the courses can be taken online as well.

Required Courses

- SPAN 1090 - Conversation and Culture
- SPAN 2051 - Spanish for Medical Personnel
- SPAN 2052 - Intermediate Spanish for Medical Personnel
- SPAN 4998 - Spanish for Health Professionals Certificate Program Capstone

Elective Courses

Choose a total of 6 credit hours from the following elective courses:

- SPAN 2020 - Intermediate Spanish
- SPAN 3001 - Advanced Grammar and Composition
- SPAN 3002 - Advanced Grammar and Composition
- SPAN 3011 - Advanced Conversation
- SPAN 3012 - Advanced Conversation
- SPAN 4050 - Internship
- SPAN 4051 - Special Topics in Spanish
- SPAN 4052 - Special Topics in Spanish
- SPAN 4071 - Independent Study
- SPAN 4072 - Independent Study
- SPAN 4073 - Independent Study

Optional

Clinical practicum in Costa Rica with homestay and full immersion in the target language

Department of Music

Division of Fine Arts and Humanities

Blanche Francis Music Building Room 116 - (504) 520-7597 - https://www.xula.edu/department?id=music_d3ad611

The programs in the Department of Music have as their objective the preparation of qualified students to make effective and meaningful contributions to the discipline of music performance, and/or the teaching of music, and/or music scholarship. This preparation is accomplished through training in the classroom, the studio, through music technology and through actual performance venues. The objective of each program is to provide a foundation for further study and to help develop the musical skills required for a career as a musician - musician teacher, musician-artist, and the liberally educated musician.

Courses of Study

The Music Department offers two degrees: Bachelor of Arts (B.A.) and Bachelor of Music (B.M.). There are three courses of study. One leads to the B.A. and two lead to the B.M.

Bachelor of Arts - In the course of study leading to the Bachelor of Arts Degree, there is a broad coverage of the discipline of music that is designed to foster cross-disciplinary thinking and creativity. Emphasis is placed on the literature and theory of music, the ability to perform well in a major applied medium, and a strong intellectual grasp of the art of music and its relationship to other disciplines.

Performance - The Bachelor of Music degree is available to those students who demonstrate the musicianship and technical proficiency necessary for a concentration in vocal or instrumental performance. Students will be officially admitted into this Music Performance degree program *only after they have successfully passed an audition for the music faculty, normally at the end of the sophomore year.*

Music Education - A major in Music Education is offered in a program designed to prepare teachers of school music and leads to a Bachelor of Music degree. Observation and teaching experiences are required and are made possible with the assistance of cooperating teachers in local public and private schools. Official admission to the Teacher Education Program is granted according to the procedures outlined by the Division of Education and Counseling (See Education and Counseling Section).

General Regulations

1. All potential Music majors must pass an audition by members of the Music faculty before being officially accepted into the Department.
2. All Music majors must see their academic advisor or the Music department head at the opening of each semester to obtain approval of their proposed course schedules.
3. Music majors must maintain *an average grade* of not less than a "B" in their major applied area, and not less than a "C" in all other music courses required for the completion of their specific degree program. Students who do not satisfy these requirements may be dismissed from the department by vote of the Music faculty.
4. Students taking the freshman year Music Theory Lecture and Lab courses (MUST 1030 and MUST 1040) must pass them with a grade of no less than a "C." Students achieving a lower grade in either of these courses will be required to take the course over.
5. Sophomore Proficiency Exams in Music: All Music majors must pass a sophomore level music reading/theory proficiency examination before enrolling in 3000 and 4000 level music theory courses. This exam is administered at the end of each spring semester.
6. Functional Piano Exam: All Music majors who are not majoring in piano are required to take **three consecutive semesters of applied piano study.** Following this series of studies, non-piano Music majors will be required to pass a

departmental Functional Piano Exam to determine functional proficiency in the use of the piano within their musical study and chosen areas of study.

7. Conducting/Piano Proficiency Exam: Music Education majors must pass a piano proficiency test and a conducting proficiency examination **before they will be permitted to do their teaching internship (Student Teaching)**.
8. All Music Majors must past a Music Technology Exam before being allowed to register for senior level coursework. This exam will be administered in the spring of the junior year to determine the student's proficiency in using music-related hardware and software.
9. Music Department Senior Comprehensive Exams: All Music Liberal Arts majors must take the Music Department Senior Comprehensive Exam. This is an extensive examination which consists of three sections:
    - **Section I** is a written comprehensive on Music History and Theory. (All Music Liberal Arts majors are required to take this portion of the Exam.) It will be administered at the beginning of each spring semester.
    - **Section II** is an oral examination. For students giving a recital in fulfillment of Section II, this exam is given during the Recital Jury on the music and historical aspects of the proposed program. Other Music Liberal Arts majors will be assigned a topic for oral examination. The questions in this section will be pre-assigned by five members of the full-time faculty.
    - **Section III** of the Music Comprehensive Exam involves an option where the Music Liberal Arts major may choose either to give a Senior Recital or to give a seminar/document presentation on a topic that has been supervised by a music faculty member. The study for the seminar/document presentation must have been pre-approved by the department head. Approval for the final presentation will be given by the head after consultation with the supervising faculty member.
10. Praxis Exam: Music Education majors must pass the music portion of the Praxis Exam or pass the Music Department Senior Comprehensive Exam before becoming eligible for graduation.

Ensemble Participation Requirements

1. Every full-time music major is required to participate in one of the primary performing ensembles each semester he/she is in residence **even if he/she has obtained the required hours in ensembles necessary to graduate**.
2. Music scholarship recipients are required to participate in at least two ensembles (a large and a small) each semester.
3. The University Chorus and the Symphonic Band are the primary (large) vocal and instrumental ensembles. All instrumental majors must satisfy their prescribed ensemble requirement in the Symphonic Band and all Vocal and Piano majors must satisfy their prescribed ensemble requirement in the University Chorus.
4. All instrumental and piano majors are required to have experience in a vocal ensemble. It is strongly urged that all instrumental majors participate for two semesters in the University Chorus. However, approval may be given by the department head to allow a student to participate in other vocal ensembles or to take private or class voice lessons.
5. Since ensemble participation is a departmental, rather than a University requirement, the music department reserves the right to waive the required number of ensemble hours in special cases and to approve substitutions for primary ensemble requirements.

Recitals

1. All students in the Music Performance program must present both a Junior Recital and a Senior Recital. Other majors are encouraged to give Junior and/or Senior recitals if they are deemed capable to do so.
2. Students in Music Education are not required to present a recital for graduation. However, all who can present a recital are urged to do so.
3. Four to six weeks prior to the date chosen for a departmentally-sponsored recital, the student must perform the proposed program before a jury of the faculty. The quality of the performance should convince the jury that the recital will be representative of the student's degree program. **Only with the approval of the jury may the recital be presented. The applied instructor must be present for both hearing and recital**.

Recital Class

1. Every music major is required to perform in Recital Class at least once each semester on their major applied instrument; therefore, every full-time music major must register for recital class each semester of matriculation.
2. At the discretion of the major applied music teacher, freshmen and transfer students may be exempt from the above requirement only in their first semester of study.
3. Additional performance requirements for recital class may be established by the individual applied music instructor.

Applied Music Studies

1. All music majors are required to take at least one hour of applied music in their major applied area each semester that they are in matriculation as full-time music students. This requirement holds even if the student has completed the number of applied hours prescribed in his/her individual program.
2. Students are expected to make continuous progress in their major applied area in order to reach a level of proficiency that will be monitored by the entire music faculty, area juries, and the individual instructor. Failure to reach and/or maintain a level of applied performance proficiency, as determined by the music faculty, could result in dismissal from the Music Department.

Honors in Music Theory

Students who are eligible for this honor are music majors who have completed 20 hours in music theory with a minimum GPA in theory of 3.5 by the first half of the senior year. The student who elects to complete this program must apply to the department head who will review that student's record, give final approval for admission into the program, and assist the student in obtaining a faculty member to supervise the final project. In the final semester of the senior year, the student must register for MUST 4500H, complete one of the three honors theory projects prescribed for this course, and receive a pass endorsement from the theory faculty who will give the final evaluation of the student's project.

Major

Music Education Instrumental or Vocal Supervision, B.M.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Music Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- MUEN 1310U - University Chorus
  or
- MUEN 1910S - Symphonic Band

- MURE 1070A - Recital Class
- MUSH 1050 - Introduction to Music History and Literature I

- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- EDUC 1000 - Teacher Prep
- MUAP 1632xx - Private music instruction
- MUAP 1531P (1)
- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)

Semester Hours: 18

Second Semester

- MUEN 1320U - University Chorus
  or
- MUEN 1920S - Symphonic Band

- MURE 1070B - Recital Class
- MUSH 1070 - Introduction to Music History and Literature II
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MUAP 1642xx - Private music instruction
- MUAP 1541P (1)
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- MUEN 2310U - University Chorus
  or
- MUEN 2910S - Symphonic Band

- MURE 2070A - Recital Class
- MUSM 2010 - Foundations in Functional Musicianship I - Voice and Percussion
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUME 2044 - Classroom Management & Rehearsal Organization
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)
- MUAP 2632xx - Private music instruction

- MUAP 2531P (1)

Semester Hours: 18

Second Semester

- MUEN 2320U - University Chorus
  or
- MUEN 2920S - Symphonic Band

- MURE 2070B - Recital Class
- MUSM 2020 - Foundations in Functional Musicianship II - Woodwinds and Brass
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2200 - Multicultural Education
  - Human Past (3)
- MUAP 2541xx - Private music instruction

Semester Hours: 16

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- MUEN 3331xx - Chamber Ensemble (3331O or 3331B or 3331W or 3331CE or 3331 CG (1))
- MURE 3070A - Recital Class
- MUSM 2180 - Elementary Conducting
- MUSM 3010 - Foundations in Functional Musicianship III - Strings and Guitar
- EDUC 2035 - Child & Adolescent Psychology
- MUAP 3632xx - Private music instruction
- XCOR 3010 - Engaging the Mission
  - Human Behavior (3)

Semester Hours: 15

Second Semester

- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 4005S - Praxis Specialty Area

- MUAP 3642xx - Private music instruction
- MUEN 3331xx - Chamber Ensemble (3331O or 3331B or 3331W or 3331CE or 3331 CG (1))
- MUSM 3180 - Advanced Conducting
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MURE 3070B - Recital Class
    - Examined Life (3)
    - Faith and Society (3)
    - Scientific Reasoning (3)

Semester Hours: 15

Senior Year

First Semester

- MURE 4070A - Recital Class
- MUST 3090 - Orchestration
- MUSM 4999 - Senior Comprehensives
- EDUC 3040 - Educational Psychology
- MUME 3023 - Special Methods
- XCOR 3020 - Engaging Global Issues

- MUME 3021A - Methods of Teaching Music K-8
  or
- MUME 3021B - Methods of Teaching Music 9-12

Semester Hours: 14

Second Semester

- MURE 4000 - Senior Recital
- MUME 4061S - Seminar in Student Teaching in Music
- MUME 4061T - Student Teaching in Music
- EDSC 4150 - Teaching Reading in the Content Areas

Semester Hours: 12

Summary: Program in Music Education Instrumental Or Vocal Supervision

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3, MUSH 2130)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Expansive Core: 6

Including one BIOL, CHEM, IPSC, or PHYS Expansive Core course (3) (recommended)*

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- MUSM 4999 - Senior Comprehensives

Music: 70

- Applied Music (14)
- Music Education (18)
- Musicianship (8)
- Music Theory (18)
- Music Ensemble (6)
- Recital Class (0)
- Senior Recital (0)
- Music History (6)

Education: 15

- EDUC 1000 - Teacher Prep
- EDUC 2005M - Praxis PPST Math
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology
- EDUC 4005S - Praxis Specialty Area
- EDSC 4150 - Teaching Reading in the Content Areas

Total Hours: 125

All majors are required to complete three consecutive semesters of Applied Piano (secondary) prior to taking the Piano Proficiency Examination.

Senior Comprehensive is required for this degree.

Recital Hearing must be approved by the Music Faculty prior to the Junior and Senior Recital.

Music Liberal Arts, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- MUAP 1531xx - Private music instruction
- MUAP 1531P (1)
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- MURE 1070A - Recital Class

- MUEN 1310U - University Chorus
  or
- MUEN 1910S - Symphonic Band

- XCOR 1000 - College Experience
  - College Writing (3)
  - Quantitative Reasoning (3)
- Free Elective (2)

Total Credits: 16

Second Semester

- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)
- MUAP 1541xx - Private music instruction
- MUAP 1541P (1)
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MUSH 1050 - Introduction to Music History and Literature I
- MURE 1070B - Recital Class

- MUEN 1320U - University Chorus
  or

- MUEN 1920S - Symphonic Band

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 16

Sophomore Year

First Semester

- MUAP 2531xx - Private music instruction
- MUAP 2531P (1)
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MURE 2070A - Recital Class

- MUEN 2310U - University Chorus
  or
- MUEN 2910S - Symphonic Band

    - Creative Expression and Engagement (3)
    - Examined Life (3)

Semester Hours: 13

Second Semester

- MUSH 2130 - Afro-American Music (African American Heritage and Legacies)
- MUAP 2541xx - Private music instruction
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MUSH 1070 - Introduction to Music History and Literature II
- MURE 2070B - Recital Class
- MUSM 2180 - Elementary Conducting
- MUSM 3010 - Foundations in Functional Musicianship III - Strings and Guitar

- MUEN 2320U - University Chorus
  or
- MUEN 2920S - Symphonic Band

Semester Hours: 15

Junior Year

First Semester

- MUAP 3632xx - Private music instruction
- MUST 3090 - Orchestration
- MURE 3070A - Recital Class
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MUEN 3331xx - Chamber Ensemble (MUEN 3331B or 3331W or 3331CE or 33510 or 3331CG (1))
- XCOR 3010 - Engaging the Mission
    - Human Behavior (3)
- Minor (3)

Semester Hours: 15

Second Semester

- MUAP 3642xx - Private music instruction
- MUST 3030 - Eighteenth Century Counterpoint
- MUEN 3331xx - Chamber Ensemble (MUEN 3331B or 3331W or 3331CE or 33510 or 3331CG (1))
- MURE 3070B - Recital Class
- XCOR 3020 - Engaging Global Issues
    - Scientific Reasoning (3)
    - Faith and Society (3)
- Minor (3)

Semester Hours: 17

Senior Year

First Semester

- MUAP 4632xx - Private music instruction
- MUST 4030 - Analytical Techniques I
- Minor (6)
    - Human Past (3)

- MUEN 4310U - University Chorus
  or
- MUEN 4910S - Symphonic Band

- MUSM 4999 - Senior Comprehensives
- MURE 4070B - Recital Class

Semester Hours: 14

Second Semester

- MUAP 4642xx - Private music instruction
- MUST 3111 - Composition I

- MUEN 4320U - University Chorus
  or
- MUEN 4920S - Symphonic Band

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

- MURE 4000 - Senior Recital
- Minor (6)

Semester Hours: 14

Summary: Program in Music Liberal Arts (B.A.)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3, MUSH 2130)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission

- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 60

- MUAP Applied (16)
- MUEN Ensemble (8)
- MURE 1070A - Recital Class
- MURE 1070B - Recital Class
- MURE 2070A - Recital Class
- MURE 2070B - Recital Class
- MURE 3070A - Recital Class
- MURE 3070B - Recital Class
- MURE 4070A - Recital Class
- MURE 4070B - Recital Class
- MUSH 1050 - Introduction to Music History and Literature I
- MUSH 1070 - Introduction to Music History and Literature II

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

- MUSM 2180 - Elementary Conducting
- MUSM 3010 - Foundations in Functional Musicianship III - Strings and Guitar
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MUSM 4999 - Senior Comprehensives
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MUST 3030 - Eighteenth Century Counterpoint
- MUST 3090 - Orchestration
- MUST 3111 - Composition I
- MUST 4030 - Analytical Techniques I
- MUST 4040 - Analytical Techniques II

Minor: 18

Free Electives: 2

Total Hours: 120

Senior Comprehensive is required for this degree.

All majors are required to complete three consecutive semesters of Applied Piano (secondary) prior to taking the Piano Proficiency Examination.

Recital Hearings must be approved by the Music Faculty prior to the Senior Recital.

Music Performance - Piano, B.M.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- MUAP 1733P (3)
- MURE 1070A - Recital Class
- MUEN 1310U - University Chorus
- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)

Semester Hours: 15

Second Semester

- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MUAP 1743P (3)
- MUSH 1050 - Introduction to Music History and Literature I
- MURE 1070B - Recital Class
- MUEN 1320U - University Chorus
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)
- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUAP 2733P (3)
- MURE 2070A - Recital Class
- MUEN 2310U - University Chorus
- MUSM 2180 - Elementary Conducting
    - Examined Life (3)
    - Creative Expression and Engagement (3)

Semester Hours: 15

Second Semester

- MUSH 1070 - Introduction to Music History and Literature II
- MUAP 2743P (3)
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MURE 2070B - Recital Class
- MUEN 2320U - University Chorus
- MUSM 3180 - Advanced Conducting
    - African American Heritage and Legacies (3)

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

Semester Hours: 18

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- MUAP 3733xx - Private music instruction
- MUEN 3351O - Opera Workshop (or MUEN 3331CG (1))
- MUST 3090 - Orchestration
- MURE 3070A - Recital Class
    - Human Behavior (3)
    - Scientific Reasoning (3)

Semester Hours: 15

Second Semester

- MUAP 3743xx - Private music instruction
- MURE 3070B - Recital Class
- MURE 3000 - Junior Recital
- XCOR 3020 - Engaging Global Issues
    - Faith and Society (3)

- MUEN 3351O - Opera Workshop (or MUEN 3331CG (1))
- MUST 3030 - Eighteenth Century Counterpoint

Semester Hours: 13

Senior Year

First Semester

- MUAP 4834xx - Private music instruction
- MUST 4030 - Analytical Techniques I
- MURE 4070A - Recital Class
- MUEN 4310U - University Chorus
- MUSM 4270 - Piano Pedagogy and Literature I
- MUSM 4999 - Senior Comprehensives
    - Human Past (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- MUAP 4844xx - Private music instruction
- MUST 3111 - Composition I
- MUST 4040 - Analytical Techniques II
- MURE 4070B - Recital Class
- MURE 4000 - Senior Recital
- MUEN 4320U - University Chorus
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MUSM 4280 - Piano Pedagogy and Literature II

Semester Hours: 12

Summary: Program in Music Performance - Piano

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3, MUSH 2130)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- MUSM 4999 - Senior Comprehensives

Music: 77

- MURE 1070A - Recital Class
- MURE 1070B - Recital Class
- MURE 2070A - Recital Class
- MURE 2070B - Recital Class
- MURE 3000 - Junior Recital
- MURE 3070A - Recital Class
- MURE 3070B - Recital Class
- MURE 4000 - Senior Recital
- MURE 4070A - Recital Class
- MUSM 2180 - Elementary Conducting
- MUSM 3180 - Advanced Conducting
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MUSM 4270 - Piano Pedagogy and Literature I
- MUSM 4280 - Piano Pedagogy and Literature II
- MUSM 4999 - Senior Comprehensives
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I

- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MUST 3030 - Eighteenth Century Counterpoint
- MUST 3090 - Orchestration
- MUST 3111 - Composition I
- MUST 4030 - Analytical Techniques I
- MUST 4040 - Analytical Techniques II
- MUAP-Applied Music (26)
- MUEN-Ensemble (8)
- MUSH 1050 - Introduction to Music History and Literature I
- MUSH 1070 - Introduction to Music History and Literature II

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

Free Electives: 3

Total Hours: 120

All majors are required to complete three consecutive semesters of Applied Piano (secondary) prior to taking the Piano Proficiency Examination.

Senior Comprehensive is required for this degree.

Recital Hearing must be approved by the Music Faculty prior to the Junior and Senior Recital.

Music Performance Instrumental (Major Applied), B.M.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Music Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- MUAP 1632xx - Private music instruction
- MUAP 1531P (1)
- MUEN 1910S - Symphonic Band
- MURE 1070A - Recital Class
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)

Semester Hours: 15

Second Semester

- MUAP 1642xx - Private music instruction
- MUAP 1541P (1)
- MUEN 1920S - Symphonic Band
- MURE 1070B - Recital Class
- MUSH 1050 - Introduction to Music History and Literature I
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- MUAP 2632xx - Private music instruction
- MUAP 2531P (1)
- MUEN 2910S - Symphonic Band
- MURE 2070A - Recital Class
- MUSM 2180 - Elementary Conducting
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
    - Examined Life (3)
    - Creative Expression and Engagement (3)

Semester Hours: 15

Second Semester

- MUAP 2642xx - Private music instruction
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- African American Heritage and Legacies (3)
- MURE 2070B - Recital Class
- MUSH 1070 - Introduction to Music History and Literature II
- MUEN 2920S - Symphonic Band
- MUSM 3180 - Advanced Conducting

Semester Hours: 14

Junior Year

First Semester

- MUAP 3733xx - Private music instruction
- MURE 3070A - Recital Class
- MUSM 4250 - Major Applied Instrument Pedagogy and Literature I
- MUST 3030 - Eighteenth Century Counterpoint
- XCOR 3010 - Engaging the Mission
    - Human Behavior (3)
- MUEN 3331xx - Chamber Ensemble (3331B, 3331W, 3331CE, or 3331CG) (1)
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.

Semester Hours: 15

Second Semester

- MUAP 3743xx - Private music instruction
- MUEN 3331xx - Chamber Ensemble (3331B, 3331W, 3331CE, or 3331CG) (1)
- MUSM 4260 - Major Applied Instrument Pedagogy and Literature II

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

- MURE 3070B - Recital Class
- MURE 3000 - Junior Recital
- XCOR 3020 - Engaging Global Issues
    - Faith and Society (3)
- Free Elective (3)

Semester Hours: 18

Senior Year

First Semester

- MUAP 4834xx - Private music instruction
- MUST 4030 - Analytical Techniques I
- MURE 4070A - Recital Class
- MUEN 4910S - Symphonic Band
- MUSM 4999 - Senior Comprehensives
- Human Past (3)
    - Scientific Reasoning (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- MUAP 4844xx - Private music instruction
- MUST 3111 - Composition I
- MUST 4040 - Analytical Techniques II
- Free Elective (1)
- MUST 3090 - Orchestration
- MURE 4000 - Senior Recital
- MUEN 4920S - Symphonic Band

Semester Hours: 12

Summary: Program in Music Performance Instrumental (Major Applied)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3, MUSH 2130)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- MUSM 4999 - Senior Comprehensives

Music: 75

- MURE 1070A - Recital Class
- MURE 1070B - Recital Class
- MURE 2070A - Recital Class
- MURE 2070B - Recital Class
- MURE 3000 - Junior Recital
- MURE 3070A - Recital Class
- MURE 3070B - Recital Class
- MURE 4000 - Senior Recital
- MURE 4070A - Recital Class
- MUSM 2180 - Elementary Conducting
- MUSM 3180 - Advanced Conducting
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MUSM 4250 - Major Applied Instrument Pedagogy and Literature I
- MUSM 4260 - Major Applied Instrument Pedagogy and Literature II
- MUSM 4999 - Senior Comprehensives
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MUST 3090 - Orchestration
- MUST 3111 - Composition I
- MUST 4030 - Analytical Techniques I
- MUST 4040 - Analytical Techniques II
- MUAP 1632xx - Private music instruction
- MUAP 1531P (1)
- MUAP 1642xx - Private music instruction
- MUAP 1541P (1)

- MUAP 2632xx - Private music instruction
- MUAP 2531P (1)
- MUAP 2642xx - Private music instruction
- MUAP 3733xx - Private music instruction
- MUAP 3743xx - Private music instruction
- MUAP 4834xx - Private music instruction
- MUAP 4844xx - Private music instruction
- MUEN 1910S - Symphonic Band
- MUEN 1920S - Symphonic Band
- MUEN 2910S - Symphonic Band
- MUEN 2920S - Symphonic Band
- MUEN 3331xx - Chamber Ensemble (3331B, 3331W, 3331CE, or 3331CG) (1)
- MUEN 4910S - Symphonic Band
- MUEN 4920S - Symphonic Band
- MUSH 1050 - Introduction to Music History and Literature I
- MUSH 1070 - Introduction to Music History and Literature II

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

Free Electives: 7

Total Hours: 122

All majors are required to complete three consecutive semesters of Applied Piano (secondary) prior to taking the Piano Proficiency Examination.

Senior Comprehensive is required for this degree.

Recital Hearing must be approved by the Music Faculty prior to the Junior and Senior Recital.

Music Performance Voice (Major Applied), B.M.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- MUAP 1632xx - Private music instruction
- MUAP 1531P (1)

- MUEN 1310U - University Chorus
- MURE 1070A - Recital Class
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)

Semester Hours: 15

Second Semester

- MUAP 1642xx - Private music instruction
- MUAP 1541P (1)
- MUEN 1320U - University Chorus
- MURE 1070B - Recital Class
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 14

Sophomore Year

First Semester

- MUAP 2632xx - Private music instruction
- MUAP 2531P (1)
- MUEN 2310U - University Chorus
- MURE 2070A - Recital Class
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUSM 2180 - Elementary Conducting

- MUSM 1200 - Italian Diction
  or
- MUSM 2200 - French Diction
  or
- MUSM 3200 - German Diction

    - Creative Expression and Engagement (3)
    - Examined Life (3)

Semester Hours: 16

Second Semester

- MUAP 2642xx - Private music instruction
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MURE 2070B - Recital Class
- MUEN 2320U - University Chorus
- MUSM 3180 - Advanced Conducting
- MUSH 1050 - Introduction to Music History and Literature I
    - African American Heritage and Legacies (3)

Semester Hours: 14

Junior Year

First Semester

- MUAP 3733xx - Private music instruction
- MUEN 3351O - Opera Workshop (or MUEN 3331CG (1))
- MURE 3070A - Recital Class
- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
    - Human Behavior (3)
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.

Semester Hours: 14

Second Semester

- MUAP 3743xx - Private music instruction
- MUEN 3351O - Opera Workshop (or MUEN 3331CG (1))
- MUST 3030 - Eighteenth Century Counterpoint
- MUST 3090 - Orchestration
- MUSH 1070 - Introduction to Music History and Literature II

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

- MURE 3070B - Recital Class

- MURE 3000 - Junior Recital
    - Faith and Society (3)

Semester Hours: 17

Senior Year

First Semester

- MUEN 4310U - University Chorus
- MURE 4070A - Recital Class
- MUSM 4210 - Vocal Pedagogy and Literature I
- MUAP 4834xx - Private music instruction
- MUST 4030 - Analytical Techniques I
- MUSM 4999 - Senior Comprehensives
- Free Elective (3)
    - Human Past (3)

Semester Hours: 15

Second Semester

- MUAP 4844xx - Private music instruction
- MUST 3111 - Composition I
- MUST 4040 - Analytical Techniques II
- MURE 4070B - Recital Class
- MURE 4000 - Senior Recital
- MUEN 4320U - University Chorus
- MUSM 4220 - Vocal Pedagogy and Literature II
    - Scientific Reasoning (3)
- Free Elective (3)

Semester Hours: 17

Summary: Program in Music Performance Voice (Major Applied)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)

- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3, MUSH 2130)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- MUSM 4999 - Senior Comprehensives

Music: 76

- MURE 1070A - Recital Class
- MURE 1070B - Recital Class
- MURE 2070A - Recital Class
- MURE 2070B - Recital Class
- MURE 3000 - Junior Recital
- MURE 3070A - Recital Class
- MURE 3070B - Recital Class
- MURE 4000 - Senior Recital
- MURE 4070A - Recital Class

- MUSM 1200 - Italian Diction
  or
- MUSM 2200 - French Diction
  or
- MUSM 3200 - German Diction

- MUSM 2180 - Elementary Conducting
- MUSM 3180 - Advanced Conducting
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MUSM 4210 - Vocal Pedagogy and Literature I
- MUSM 4220 - Vocal Pedagogy and Literature II
- MUSM 4999 - Senior Comprehensives
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II

- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MUST 3030 - Eighteenth Century Counterpoint
- MUST 3090 - Orchestration
- MUST 3111 - Composition I
- MUST 4030 - Analytical Techniques I
- MUST 4040 - Analytical Techniques II
- MUAP-Applied Music (25)
- MUEN-Ensemble (8)
- MUSH 1050 - Introduction to Music History and Literature I
- MUSH 1070 - Introduction to Music History and Literature II

- MUSH 2050 - Music History I
  or
- MUSH 2060 - Music History II
  or
- MUSH 3050 - Music History III
  or
- MUSH 3060 - Music History IV

Free Electives: 6

Total Hours: 122

Senior Comprehensive is required for this degree.

Recital Hearings must be approved by the Music Faculty prior to the Junior and Senior Recital.

All majors are required to complete three consecutive semesters of Applied Piano (secondary) prior to taking the Piano Proficiency Examination.

Music-Jazz Studies Concentration, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- XCOR 1000 - College Experience
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- MUAP 1531xx - Private music instruction
- MUAP 1632xx - Private music instruction

- MURE 1070A - Recital Class
- MUEN 1951J - Jazz Laboratory Band
- College Writing (3)
    - Quantitative Reasoning (3)

Semester Hours: 15

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- ENGL 1020 - English Composition and Literature (Advanced Rhetoric and Composition)
- MUAP 1541P (1)
- MUAP 1642xx - Private music instruction
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MURE 1070B - Recital Class
- MUEN 1961J - Jazz Laboratory Band

Semester Hours: 14

Sophomore Year

First Semester

- MUSH 2050 - Music History I
    - Examined Life (3)
- MUAP 2632xx - Private music instruction
- MUAP 2531P (1)
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MURE 2070A - Recital Class
- MUEN 2951J - Jazz Laboratory Band
- MUSM 2180 - Elementary Conducting

Semester Hours: 16

Second Semester

- MUSH 2130 - Afro-American Music (African American Heritage and Legacies)
- MUAP 2541xx - Private music instruction
    - Creative Expression and Engagement (3)
- MUST 2040 - Music Theory IV

- MUST 2040L - Music Theory Lab IV
- MUSH 2060 - Music History II
- MURE 2070B - Recital Class
- MUEN 2961J - Jazz Laboratory Band

Semester Hours: 15

Junior Year

First Semester

- MUAP 3632xx - Private music instruction
- JAZZ 3300 - Jazz Piano I
- MUEN 3331J (1)
- JAZZ 3400 - Jazz Theory I (Composition and Arranging) Small Ensemble
- MURE 3070A - Recital Class
- XCOR 3010 - Engaging the Mission
    - Human Behavior (3)

Semester Hours: 15

Second Semester

- MUAP 3642xx - Private music instruction
- JAZZ 3350 - Jazz Piano II
- MUEN 3961J - Jazz Laboratory Band
- JAZZ 3450 - Jazz Theory II (Composition and Arranging) Large Ensemble
- MURE 3070B - Recital Class
- XCOR 3020 - Engaging Global Issues
    - Faith and Society (3)
    - Scientific Reasoning (3)

Semester Hours: 18

Senior Year

First Semester

- MUAP 4531xx - Private music instruction
- MUEN 4951J - Jazz Laboratory Band
- MURE 4070B - Recital Class
    - The Human Past (3)
- Free Elective (3)
- JAZZ 3000 - Jazz Improvisation I
- JAZZ 4000 - Modern and Popular American Music History

Semester Hours: 14

Second Semester

- MUAP 4642xx - Private music instruction
- MUEN 4961J - Jazz Laboratory Band
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- Free Elective (3)
- JAZZ 3100 - Jazz Improvisation II
- JAZZ 4100 - Jazz Ensemble Performance Practices & Techniques

Semester Hours: 13

Summary: B.A. Program in Music - Jazz Studies Concentration

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Rhetoric and Composition (3)
  - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)

- Creative Expression and Engagement (3)

- The Examined Life (3)

- Faith and Society (3)

- Human Behavior (3)

- The Human Past (3)

- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission

- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Music: 50

- MUSM 2180 - Elementary Conducting
- MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.
- MUSM 4999 - Senior Comprehensives
- MUAP (17)
- MUST 1030 - Music Theory I
- MUST 1030L - Music Theory Lab I
- MUST 1040 - Music Theory II
- MUST 1040L - Music Theory Lab II
- MUST 2030 - Music Theory III
- MUST 2030L - Music Theory Lab III
- MUST 2040 - Music Theory IV
- MUST 2040L - Music Theory Lab IV
- MUEN (8)
- MURE 1070A - Recital Class
- MURE 1070B - Recital Class
- MURE 2070A - Recital Class
- MURE 2070B - Recital Class
- MURE 3070A - Recital Class
- MURE 3070B - Recital Class
- MURE 4070A - Recital Class
- MURE 4070B - Recital Class
- MUSH 2050 - Music History I
- MUSH 2060 - Music History II

Jazz Concentration: 27

- JAZZ 3000 - Jazz Improvisation I
- JAZZ 3100 - Jazz Improvisation II
- JAZZ 3300 - Jazz Piano I
- JAZZ 3350 - Jazz Piano II
- JAZZ 3400 - Jazz Theory I (Composition and Arranging) Small Ensemble
- JAZZ 3450 - Jazz Theory II (Composition and Arranging) Large Ensemble
- JAZZ 4000 - Modern and Popular American Music History
- JAZZ 4100 - Jazz Ensemble Performance Practices & Techniques
- MUSH 2130 - Afro-American Music

Free Electives: 6

Total Hours: 120

- All majors are required to complete three consecutive semesters of Applied Piano (secondary) prior to taking the Piano Proficiency Examination.
- MUSH 1050 (Introduction to Music History) is waived for this degree program. MUSH 2050 begins the Music History process.
- Senior Comprehensive is required for this degree.
- Recital Hearing must be approved by the Music Faculty prior to the Senior Recital.

Minor

Music Minor

A minor in music consists of no less than 18 hours in the music discipline. Fourteen of these hours are central to the minor and are therefore prescribed. The required courses for the minor are:

Required Courses

- MUST 1030 - Music Theory I
  and
- MUST 1030L - Music Theory Lab I

- MUSH 1050 - Introduction to Music History and Literature I
  and
- MUSH 1070 - Introduction to Music History and Literature II

- Major Applied Study 2 *
- Ensemble Membership 2 **

Note:

*Applied voice or instrument must be taken *for one semester hour credit in two different semesters.*
**Membership in a major ensemble must be taken *for one semester hour credit in two different semesters.*

Additional Hours

A minimum of four additional hours in the discipline of music are required in order to constitute a specific minor concentration. These additional hours must be obtained from the following:

- Music History (MUSH)
- Music Theory (MUST)
- Applied Voice or Instrument (MUAP)
- Membership in an Ensemble

Department of Philosophy

Division of Fine Arts and Humanities

Administration Building 321 - (504) 520-5406 - https://www.xula.edu/department?id=philosophy_237ee63

The philosophy program is designed for students who plan to take an active leadership role in shaping a more just and humane society. Completing the philosophy major will (1) provide the student with knowledge of the philosophical themes and thinkers that have been influential in shaping contemporary culture, (2) increase the student's ability to think, speak, read, and write critically and effectively, and (3) increase the student's ability to approach value questions in a rational manner. These abilities will prepare the student for success in any career that requires rational thought and expression, such as teaching, law, business, management, journalism, and public service.

In order to accommodate a number of different career options, the curriculum has been designed to encourage students to pursue a second area of interest by means of a double major, a double concentration, a double minor, or a combination of related courses.

Honors in Philosophy - Students are eligible to graduate with an honors distinction in Philosophy. To do so, the student must complete a minimum of three Philosophy courses (9 credit hours) with an overall philosophy GPA of 3.3.

Major

Philosophy, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

The requirements for a major in philosophy are: three courses in the history of philosophy (PHIL 2011, PHIL 2021, and PHIL 2031), one course in logic (PHIL 2040), one course in ethics (PHIL 2045, PHIL 2400, PHIL 2410, PHIL 2270, or PHIL 3400), a senior thesis, and five other three-hour courses in philosophy. Majors may take only one PHIL 1000-level course, including courses taken in fulfillment of the Examined Life area of the Core. Majors are required to pass a comprehensive examination, and regular attendance at all Philosophy departmental meetings is required. In order for a philosophy course to be counted for degree credit, a student must earn a "C" or better.

For those students who major in philosophy in preparation for graduate work in THEOLOGY, the course in Philosophy of Religion (PHIL 2270) is highly recommended.

For those students who are interested in LAW SCHOOL or are interested in learning more about the law, Philosophy of Law (PHIL 3260) is highly recommended.

For those students who are interested in PUBLIC POLICY or CIVIL SERVICE employment, the department offers great flexibility for pursuing a minor in Public Administration while at the same time enjoying 15 hours of free electives to help them improve their quantitative skills.

For those students interested in an MBA program (Master of Business Administration), the department offers courses for the development of a critical mind, problem solving skills, and a mature understanding of values. These students can minor in Business Administration and still take 15 hours of free electives to improve their quantitative skills.

Students interested in medical or dental school should begin work in the freshmen year on a chemistry minor and the other courses required by medical and dental schools.

Freshman Year

First Semester

- XCOR 1000 - College Experience

    - Examined Life (3)
    - College Writing (3)
    - Quantitative Reasoning (3)
    - Human Past (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- PHIL Elective (3)
    - Advanced Rhetoric and Composition (3)
    - Creative Expression and Engagement (3)
    - Faith and Society (3)

Semester Hours: 15

Sophomore Year

First Semester

- PHIL 2011 - Ancient and Medieval Philosophy
  or
- PHIL 2021 - Modern Philosophy
  or
- PHIL 2031 - 19th and 20th Century Philosophy

- PHIL 2040 - Logic
    - Scientific Reasoning (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- PHIL 2011 - Ancient and Medieval Philosophy
  or
- PHIL 2021 - Modern Philosophy
  or
- PHIL 2031 - 19th and 20th Century Philosophy

    - Human Behavior (3)
    - African American Heritage and Legacies (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Junior Year

First Semester

- PHIL 2045 - Ethics: General Principles
  or
- PHIL 2400 - Health Ethics
  or
- PHIL 2410 - Business Ethics
  or
- PHIL 2070 - Introduction to Bioethics
  or
- PHIL 3400 - Ethical Conduct in Scientific Research

- XCOR 3010 - Engaging the Mission
- PHIL Elective (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- PHIL 2011 - Ancient and Medieval Philosophy
  or
- PHIL 2021 - Modern Philosophy
  or
- PHIL 2031 - 19th and 20th Century Philosophy

- XCOR 3020 - Engaging Global Issues
- Free Electives (6)
- Minor (3)

Semester Hours: 15

Senior Year

First Semester

- PHIL 4999 - Senior Comprehensives
- PHIL Electives (6)
- Free Electives (6)
- Minor (3)

Semester Hours: 15

Second Semester

- PHIL 4900 - Senior Thesis
- PHIL Elective (3)
- Minor (3)
- Free Elective (4)
- PHIL 4950 (capstone) (1)

Semester Hours: 14

Summary: Program in Philosophy

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 34

- 5 PHIL Electives (15)*
- PHIL 2011 - Ancient and Medieval Philosophy
- PHIL 2021 - Modern Philosophy
- PHIL 2031 - 19th and 20th Century Philosophy
- PHIL 2040 - Logic

- PHIL 2045 - Ethics: General Principles
  or
- PHIL 2400 - Health Ethics
  or
- PHIL 2410 - Business Ethics

- PHIL 4900 - Senior Thesis
- PHIL 4999 - Senior Comprehensives
- PHIL 4950 (capstone) (1)

Minor: 18

Free Electives: 28

Total Hours: 120

*Only one PHIL 1000-level course may be taken, including courses taken in fulfillment of the Examined Life area of the Core.

Minor

Bioethics Minor

Bioethics is the study of the ethical dimensions inherent in medical and scientific research, the delivery and practice of health care, and the creation of national and global health policy. In addition to normative analysis, the study of these important topics requires critical examination of the philosophical and theological underpinnings, social and political context, and cultural variables that shape and transform medicine and the life sciences. For this reason, Bioethics is an interdisciplinary field that brings different methodological and conceptual analyses to a core set of concerns that includes: the doctor-patient relationship, the allocation of scarce medical resources, the relationship between human beings and the natural environment, scientific and medical experimentation, access to healthcare, assisted dying and end-of-life care, genetic engineering and enhancement, and advances in biotechnology, genetics, and neuroscience.

Required Courses

The minor consists of 1) the interdisciplinary "Introduction to Bioethics" course, 2) one eligible course in Biology or Public Health, 3) one eligible course addressing social and cultural issues, 4) two eligible courses in philosophical and theological ethics, and 5) Advanced Bioethics (three credit hours). The Minor requires 18 total credit hours, and students may not count the same course toward their major and their minor. Students must earn at least a "C" in the class in order for it to count toward the minor.

Category 1

- PHIL 2070 - Introduction to Bioethics

Category 2 (select one course)

- BIOL 1050 - Environmental Biology
- BIOL 3210 - Ecology
- BIOL 2000 - Biodiversity
- PHLT 1001 - Introduction to Public Health

Category 3 (select one course)

- CMST 1080 - Health Communication
- PHIL 3250 - Philosophy of Science
- PSYC 2050 - Health Psychology
- SOCI 3011 - Global Social Change
- SOCI 3070 - Medical Sociology

Category 4 (select two courses)

- PHIL 2400 - Health Ethics
- PHIL 2045 - Ethics: General Principles
- PHIL 3400 - Ethical Conduct in Scientific Research
- THEO 2500 - Theological Ethics
- THEO 2550 - Environmental Issues in Christian Perspective

Category 5

- Advanced Bioethics

Philosophy Minor

The requirements for a minor in philosophy are: logic (PHIL 2040), one course in ethics (PHIL 2045, PHIL 2400, or PHIL 2410), and any additional four courses in philosophy. The department recommends that at least one of the additional four courses come from the history of philosophy sequence (PHIL 2011, PHIL 2021, PHIL 2031).

Department of Theology

Division of Fine Arts and Humanities

Administration Building 322 - (504) 520-5457 - https://www.xula.edu/department?id=theology_c2134cd

The Theology Program promotes a more just and humane society within the context of faith and theological reflection. It enables students to understand the discourse of the human experience of God by means of an historical critical approach.

Major - A Major in Theology challenges students to the universal call to actively engage in the transformation of society. Thus, students are prepared to assume positions of leadership in academia and/or professional life. In keeping with the call to transform society, the theology program prepares students for a variety of academic, professional and service opportunities.

The Theology program requires Theology majors to take THEO 1100, THEO 1120, THEO 1170, THEO 4000, and THEO 4999. In addition, majors must take 15 hours in any one of the following three areas: Fundamentals of Theology, Historical Theology, and Biblical Studies. They must also take 15 hours of Theology electives and a minimum of 12 hours of 3000/4000 level Theology courses.

Honors - Students are eligible to graduate with an honors distinction in Theology. To do so one must complete a minimum of any three Theology courses with a total of 9 credit hours and a grade of a "B" or higher in each of the courses.

Requirements for all students taking Theology courses: All Theology courses are reading and writing intensive and the successful completion of all developmental reading and developmental English courses is a prerequisite.

Major

Theology, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

A Major in Theology challenges students to the universal call to actively engage in the transformation of society. Thus, students are prepared to assume positions of leadership in academia and/or professional life. In keeping with the call to transform society, the theology program prepares students for a variety of academic, professional and service opportunities.

The Theology program requires Theology majors to take THEO 1100, THEO 1120, THEO 1170, THEO 4000, and THEO 4999. In addition, majors must take 12 hours in any one of the following three areas: Fundamentals of Theology, Historical Theology, and Biblical Studies. They must also take 12 hours of Theology electives and a minimum of 9 hours of 3000/4000 level Theology courses.

All Theology courses are reading and writing intensive and the successful completion of all developmental reading and developmental English courses is a prerequisite.

Freshman Year

First Semester

- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)
- Theology Courses (6)
- Free Elective (3)

Semester Hours: 16

Second Semester

- XCOR 1011 - Xavier Experience
  or

- XCOR 1012 - New Orleans Experience
    - Creative Expression and Engagement (3)
    - Advanced Rhetoric and Composition (3)
- Theology Course (3)
- Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- Faith and Society (3)
- Human Past (3)
- Scientific Reasoning (3)
- Free Elective (3)
- Theology Course (3)

Semester Hours: 15

Second Semester

- Human Behavior (3)
- Examined Life (3)
- African American Heritage and Legacies (3)
- Theology Course (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 18

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- Theology Courses (6)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- XCOR 3020 - Engaging Global Issues
- THEO 4000 - Capstone Seminar
- Free Elective (3)
- Minor (6)

Semester Hours: 15

Senior Year

First Semester

- Theology Courses (3)
- Free Electives (6)
- Minor (3)

Semester Hours: 12

Second Semester

- THEO 4999 - Senior Comprehensives
- Theology Courses (6)
- Minor (3)
- Free Elective (5)

Semester Hours: 14

Summary: Program in Theology

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)

- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 33

- THEO 1100 - The Christian Faith
- THEO 1120 - Introduction to Biblical Studies
- THEO 1170 - Introduction to Theology
- THEO concentration (9) *
- THEO electives (12)
- THEO 4000 - Capstone Seminar
- THEO 4999 - Senior Comprehensives

Minor: 18

Free Electives: 29

Total Hours: 120

*These 15 hours must be taken in any one of the following three areas: Fundamentals of Theology, Historical Theology, and Biblical Studies.

Minor

Theology Minor

The Minor in Theology consists of 18 hours of Theology courses. The requirements for the minor are: THEO 1120, one of THEO 1100/THEO 1170, and any four (4) upper level Theology courses. Students who wish to take electives in Theology after the Core requirement has been fulfilled may register for courses on any level.

Division of Mathematical and Physical Sciences

Division of Mathematical and Physical Sciences

The Division of Mathematical and Physical Sciences (MAPS) consists of the Departments of Chemistry, Mathematics, Physics and Computer Science, and the Dual Degree Engineering Program. The Division plays an instrumental role in the education of Xavier students in Science, Technology, Engineering, and Mathematics (STEM) disciplines, which are the focus of numerous government initiatives in higher education. Currently, the Division has approximately 700 students, 58 faculty members, and 26 administrative and research staff. All departments in the Division are located in the Norman C. Francis (NCF) Science Building putting them in close proximity and providing more inter- and intra-departmental interactions and opportunities for collaboration in research and instruction.

MAPS is fully committed to the University's mission. The faculty members in the Division are research active and secure millions of dollars per year in external research funding, providing students with many opportunities for hands-on training. The departments are also very active in community service and service learning projects.

The Division believes that success in college is greatly facilitated by a strong support system and provides students with a system that is second to none. Every student in MAPS has a faculty advisor who closely monitors the student's academic performance and progress. In addition, free tutoring, course review sessions, and test review sessions for freshman- and sophomore-level chemistry, mathematics, and physics courses are offered through the Student Academic Success Office. MAPS is proud of its quality of instruction, faculty-student interaction, undergraduate research, equipment and instrumentation, and the accomplishments of our students and faculty.

Visit us at: https://www.xula.edu/division?id=mathematical_and_physical_sciences.

The following are a list of programs within the Division of Mathematical and Physical Sciences:

B.A. in Physics
B.A. in Physics with Dual Degree in Civil Engineering
B.A. in Physics with Dual Degree in Electrical Engineering
B.A. in Physics with Dual Degree in Environmental Engineering
B.A. in Physics with Dual Degree in Mechanical Engineering
B.S. in Biochemistry
B.S. in Bioinformatics
B.S. in Chemistry
B.S. in Chemistry (American Chemical Society certified)
B.S. in Chemistry Education (in conjunction with the Division of Education and Counseling)
B.S. in Chemistry Pre-Pharmacy
B.S. in Chemistry with Dual Degree in Pharmacy
B.S. in Chemistry Pre-Professional *
B.S. in Chemistry with Dual Degree in Chemical Engineering
B.S. in Computer Information Systems
B.S. in Computer Science
B.S. in Computer Science with Dual Degree in Computer Engineering
B.S. in Data Science
B.S. in Mathematics
B.S. in Mathematics Education (in conjunction with the Division of Education and Counseling)
B.S. in Physics
B.S. in Physics with Dual Degree in Civil Engineering
B.S. in Physics with Dual Degree in Electrical Engineering
B.S. in Physics with Dual Degree in Environmental Engineering
B.S. in Physics with Dual Degree in Mechanical Engineering

B.S. in Statistics
B.S. in Statistics and Biostatistics Accelerated

* Include Pre-Medicine, Pre-Dental, Pre-Veterinary, etc.

Data Science, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

The Bachelor of Science in Data Science is designed to meet the growing demand for data scientists and data analysts with deep analytical and technical skills who can analyze massive amounts of data and extract information from complex data sources. The Program's interdisciplinary curriculum provides students with content knowledge and skills across the broad field of data science, including information technology principles, concepts, practices, system and database software, learning from data, and analytical thinking.

Freshman Year

First Semester

- MATH 1070 - Introductory Calculus (Quantitative Reasoning)
  or
- MATH 1070H - Introductory Calculus Honors (Quantitative Reasoning)

- ENGL 1000 - Intensive English Composition and Rhetoric (College Writing)
  or
- ENGL 1010 - English Composition and Rhetoric (College Writing)

- CPSC 1724 - Introduction to Computer Science
- XCOR 1000 - College Experience
- Scientific Reasoning (3)

Semester Hours: 15

Second Semester

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- CPSC 2735 - Data Structures
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- MATH 2080 - Calculus III
- MATH 2030 - Elementary Linear Algebra
- Examined Life (3)
- Minor/Free Elective (3)

- STAT 2010 - Statistical Methods I
  or
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill

Semester Hours: 16

Second Semester

- STAT 2021 - Statistical Methods II
- STAT 3810 - Regression Analysis
- CPSC 3060 - Design and Analysis of Algorithms
- Human Past (3)
- Faith and Society (3)

Semester Hours: 16

Junior Year

First Semester

- CPSC 3710 - Databases, Introduction to information models and systems
- Human Behavior (3)
- Minor/Free Elective (4)
- Creative Expression and Engagement (3)

Semester Hours: 13

Second Semester

- STAT 3820 - Analysis of Variance
- DTSC 3010 - Statistical Methods of Data Mining
- DTSC 3070 - Introduction to Machine Learning
- African American Heritage and Legacies (3)
- Minor/Free Elective (3)

Semester Hours: 15

Senior Year

First Semester

- CPSC 4370 - Data Mining
- Minor/Free Elective (9)
- XCOR 3010 - Engaging the Mission
- DTSC 4020 - Data Science Capstone

Semester Hours: 16

Second Semester

- STAT 4040 - Mathematical Probability and Statistics I
- DTSC 4740 - Predictive Analytics
- Minor/Free Elective (6)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Summary: Program in Data Science

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3, ENGL 1000/ENGL 1010)
- Advanced Composition and Rhetoric (3, ENGL 1020)
- Quantitative Reasoning (MATH 1070 or MATH 1070H, 3 of 4)

Explorations: 21

- African American Heritage & Legacies (3)

- Creative Expression & Engagement (3)

- Faith & Society (3)

- Human Behavior (3)

- The Examined Life (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Data Science: 10

- DTSC 3010 - Statistical Methods of Data Mining
- DTSC 3070 - Introduction to Machine Learning
- DTSC 4020 - Data Science Capstone (Capstone, 1)
- DTSC 4740 - Predictive Analytics

Computer Science: 18

- CPSC 1724 - Introduction to Computer Science
- CPSC 2735 - Data Structures
- CPSC 3060 - Design and Analysis of Algorithms
- CPSC 3710 - Databases, Introduction to information models and systems
- CPSC 4370 - Data Mining

Mathematics: 12*

- MATH 1070 - Introductory Calculus (1*)
  or
- MATH 1070H - Introductory Calculus Honors
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors
- MATH 2080 - Calculus III

Statistics: 16

- STAT 2010 - Statistical Methods I
  or
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill

- STAT 2021 - Statistical Methods II
- STAT 3810 - Regression Analysis
- STAT 3820 - Analysis of Variance
- STAT 4040 - Mathematical Probability and Statistics I

Free Electives/Minor/Concentration: 25

Total Hours: 121

*3 hours of Core for Quantitative Reasoning are also included under Math.

Department of Chemistry

Division of Mathematical and Physical Sciences

NCF Science Annex 333 - (504) 520-5082 - https://www.xula.edu/department?id=chemistry_0806e8c

The study of chemistry, the science of matter and the changes it undergoes, is central to any understanding of the universe in which we live. A major in chemistry combined with the Core Curriculum provides a superb liberal and professional education.

The Department offers eight degree programs leading to the Bachelor of Science degree. These are the Chemistry A.C.S. Certified Program, the Biochemistry Program, the Chemistry Pre-Professional Program, the Chemistry Pre-Pharmacy Program, the Dual Degree Chemistry/Pharmacy Program, the Chemistry Program, the Dual Degree Chemistry/Chemical Engineering Program, and the Chemistry Education Program. All of these programs provide the basic grounding in the major areas of chemistry necessary for an overall understanding of the subject: analytical, biochemistry, inorganic, organic, and physical. Additional advanced courses and courses in related subjects such as mathematics, physics, and biology are required as needed for the student's desired specialty.

The **Chemistry A.C.S. Certified** Program is approved by the American Chemical Society. With its required minor in mathematics, students are prepared for graduate studies in chemistry and for careers as professional chemists.

The **Biochemistry** Program prepares students for graduate study and professional careers in this exciting area of science of the chemistry that controls biological processes and molecular medicine. This program is a great option for pre-medical students as it provides all the medical school prerequisite course work and prepares the students for success in medical studies. Students declaring a major in biochemistry should work with their advisors to choose a minor that will best prepare them for the career or graduate/professional school of their choice.

The objective of the **Chemistry Pre-Professional** Program is to prepare students for success in medical, dental, and related health professional schools. The courses in the major and its required biology minor have been selected to give the graduates of this program the greatest chance of success in their chosen professional field.

The **Chemistry Pre-Pharmacy** Program is designed to prepare students for success in pharmacy school. Students wishing to pursue a Doctor of Pharmacy (Pharm.D.) degree through Xavier's College of Pharmacy must complete 57 credit hours of the Chemistry Pre-Pharmacy curriculum, as specified, prior to being admitted to the Pharm.D. Program. Students interested in pursuing a Doctor of Pharmacy degree at another institution are also advised to follow the Chemistry Pre-Pharmacy curriculum while at Xavier. For those students following this course of study who may opt not to pursue an advanced degree in pharmacy, the four-year curriculum provides preparation for other careers or advanced study requiring significant background in chemistry. Students choosing to complete the full four-year program should work closely with their academic advisor in choosing elective courses.

The **Dual Degree Chemistry/Pharmacy** track will allow students admitted to the College of Pharmacy to complete the requirements for a Bachelor of Science Degree in chemistry through completion of specific P1 year courses.

The **Chemistry** Program is more flexible; it does not require that the student specifies a minor in a specific area. Rather, students must choose their own minor, which must include at least 18 semester hours. The student also must follow the requirements of the University and the Department in which he/she wishes to minor. This program also allows for more free electives than other chemistry programs. This program is designed to allow a student the option to design a program to fit career and life goals that combine chemistry with other subjects. It is especially relevant for students with nontraditional goals and those transferring from another major who have already accumulated significant hours in another field. It is important for students following the Chemistry Program to plan their course of study in close consultation with their academic advisors.

The **Dual Degree Chemistry/Chemical Engineering** Program allows students to earn both a B.S. in chemistry from Xavier and a B.S. in Chemical Engineering from an engineering school in five years. Students follow a modified chemistry program for three years at Xavier, and then transfer to an engineering school to complete the last two years.

The Department offers a program in **Chemistry Education** jointly with the Division of Education and Counseling. The objective of this program is to provide students with the proper combination of chemistry and education courses to prepare them to teach chemistry at the 6-12 grade levels.

In all of its courses of study, the goal of the Chemistry Department is to provide its students with knowledge of basic ideas in the field, so that they may be able to provide explanations, interpret data, and solve problems by applying these concepts. The Department also provides practice in the use of the tools of research and the scientific method in chemistry, so that students can explore and organize topics, solve problems and perform investigations, and present their findings using acceptable scientific formats.

Requirements for All Students Taking Chemistry Courses - To register for any chemistry course, a grade of "C" or better is required in all of the chemistry prerequisite courses. Students will not be allowed to repeat a chemistry course more than once without the approval of the Department Head.

Requirements for All Chemistry Majors - The Department requires a grade of "C" or better in each chemistry course required for a degree with a major in chemistry. Also, majors are required to complete a capstone experience as part of a senior comprehensive exam during their senior year. At least 18 hours of chemistry credits must be earned at Xavier.

Admitting Students Changing Majors/Readmitted Students - A student having a cumulative and chemistry GPA of 2.75 or above will be admitted into the Department by the Department Head. A student having a cumulative or chemistry GPA of 2.0 or below will not be considered for admission into the Department. Any students with GPAs not in the categories listed above will have their records reviewed by the Department's Academic Advising Committee. Admission into the Department for these students will require a majority vote of the Committee.

Honors in Chemistry - Students majoring in chemistry qualify for the distinction "Honors in Chemistry" by completing their course of study with a 3.5 overall cumulative average and a 3.5 cumulative average in chemistry. Students minoring in chemistry must have a 3.5 overall average and a 3.7 average in their chemistry courses to earn this distinction. At least 18 hours of chemistry must have been earned at Xavier.

Biochemistry, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  or
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- MATH 1030 - Pre-Calculus
  - College Writing (3)
- XCOR 1000 - College Experience

Semester Hours: 16

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
  or
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- MATH 1070 - Introductory Calculus
  - Human Behavior (3)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
  - African American Heritage and Legacies (3)

Semester Hours: 15

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- Faith and Society (3)
    - The Examined Life (3)

Semester Hours: 14

Junior Year

First Semester

- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- XCOR 3010 - Engaging the Mission
    - The Human Past (3)
- Minor/Free Elective (3)

Semester Hours: 17

Second Semester

- CHEM 4140 - Metabolism

- MATH 1020 - Basic Statistics I (STAT 2010)
  or
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill

- XCOR 3020 - Engaging Global Issues
    - Creative Expression and Engagement (3)
- Minor/Free Elective (3)

Semester Hours: 15

Senior Year

First Semester

- CHEM 3010 - Physical Chemistry for the Life Sciences

or

- CHEM 3030 - Physical Chemistry I
- CHEM 3030L - Physical Chemistry I Laboratory

- CHEM 4999 - Senior Comprehensives
- CHEM Elective (3) [1]
- Science Ethics (3) [3]
- Minor/Free Elective (4)

Semester Hours: 14

Second Semester

- CHEM 4060 - Advanced Biochemistry
- CHEM 4150L - Genomics and Proteomics Laboratory (Capstone)
- CHEM 4999 - Senior Comprehensives
- Minor/Free Elective (8)

Semester Hours: 13

[1] CHEM 4080 Introduction to Research/CHEM 4083 Undergraduate Research, CHEM 4350 Drug Design Using Computational Chemistry, CHEM 4250 Drug Design and Synthesis, CHEM 3040 Physical Chemistry II, CHEM 3450 Toxicology, or CHEM 3011 Inorganic Chemistry.

[2] MATH 2070 is a prerequisite for CHEM 3030.

[3] PHIL 3000 (Ethics of Genetic Engineering), PHIL 3250 Philosophy of Science, PHIL 3400 Ethical Conduct in Scientific Research, or other science-themed ethics course with approval of department head.

Summary: Program in Biochemistry

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Composition and Rhetoric (3, ENGL 1020)
  - Quantitative Reasoning (3 of 4, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)

- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3 of 4, CHEM 1010/1010D/CHEM 1010D /CHEM 1011L or CHEM 1110/1110D/CHEM 1110D /CHEM 1111L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Capstone (0)

Major (CHEM): 36 *

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  or

- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
  (1 of 4)

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
  or
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
  (1 of 4)

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3010 - Physical Chemistry for the Life Sciences (CHEM 3030)
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 4060 - Advanced Biochemistry
- CHEM 4140 - Metabolism
- CHEM 4150L - Genomics and Proteomics Laboratory
- CHEM Elective (3)
- CHEM 4999 - Senior Comprehensives

Additional Required Courses for Major: 23

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- MATH 1070 - Introductory Calculus (1 of 4)[$]
- MATH 1020 - Basic Statistics I (STAT 2010)
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- Science Ethics (3) [@]

Minor: 18

Free Electives: 3 $

Total Hours: 120

[*]Includes courses also counted as part of the core requirements.

[#]A total of 18hrs must be taken for the minor. Hours for non-chemistry courses required by the major may count toward a minor in that discipline. Remaining hours (to 120) may be taken as free electives.

[$]MATH 1030 Pre-Calculus is a prerequisite for MATH 1070 Introductory Calculus, and can be counted as a free elective.

[@]See note 3 for approved courses; all approved courses require an introductory Philosophy course as a prerequisite. This prerequisite can be satisfied by taking an appropriate course from the Examined Life core offerings.

Chemistry (A.C.S. Certified), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  or
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory

- MATH 1030 - Pre-Calculus
- XCOR 1000 - College Experience
  - College Writing (3)
  - Human Behavior (3)

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
  or
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- MATH 1070 - Introductory Calculus
  - The Human Past (3)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- MATH 2070 - Calculus II
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
  - The Examined Life (3)

Semester Hours: 15

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- MATH 2080 - Calculus III
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
  - African American Heritage and Legacies (3)

Semester Hours: 15

Junior Year

First Semester

- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- XCOR 3010 - Engaging the Mission
- MATH 2530 - Differential Equations
    - Creative Expression and Engagement (3)
    - Faith and Society (3)

Semester Hours: 16

Second Semester

- CHEM 3030 - Physical Chemistry I
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 4080 - Introduction to Research
- MATH 2030 - Elementary Linear Algebra
- XCOR 3020 - Engaging Global Issues

Semester Hours: 14

Senior Year

First Semester

- CHEM 3040 - Physical Chemistry II
- CHEM 3040L - Physical Chemistry II Laboratory
- CHEM 3011 - Inorganic Chemistry
- CHEM 4240/4240L - Instrumental Methods of Chemical Analysis
- CHEM 4999 - Senior Comprehensives
- Advanced Chemistry Elective (3) [1]

Semester Hours: 14

Second Semester

- CHEM 4011 - Advanced Inorganic Chemistry
- CHEM 4083 - Undergraduate Research
- CHEM 4310L - Synthesis Laboratory (Capstone)
- Free Electives (6)

Semester Hours: 14

[1] Advanced Chemistry Elective must be a 3000-level course or higher.

Summary: Program in Chemistry (A.C.S. Certified)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Composition and Rhetoric (3)
  - Quantitative Reasoning (3 of 4, MATH 1030)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3 of 4, CHEM 1010/1010D/CHEM 1010D /CHEM 1011L or CHEM 1110/1110D/CHEM 1110D /CHEM 1111L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (CHEM 4310L, 0 of 2)

Major: 47

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  or
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
  (1 of 4)

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
  or
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3011 - Inorganic Chemistry
- CHEM 3030 - Physical Chemistry I
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 3040 - Physical Chemistry II
- CHEM 3040L - Physical Chemistry II Laboratory
- CHEM 4080 - Introduction to Research
- CHEM 4083 - Undergraduate Research
- CHEM 4011 - Advanced Inorganic Chemistry
- CHEM 4240/4240L - Instrumental Methods of Chemical Analysis
- CHEM 4310L - Synthesis Laboratory
- CHEM 4999 - Senior Comprehensives
- Advanced CHEM elective (3)

Minor: 19

- MATH 1030 - Pre-Calculus (1 of 4)
- MATH 1070 - Introductory Calculus
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Physics: 8

- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

Free Electives: 6

Total Hours: 120

Chemistry (Pre-Pharmacy), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I *
- CHEM 1011L - General Chemistry I Laboratory *
- MATH 1030 - Pre-Calculus

- PSYC 1010 - Introductory Psychology *
  or
- SOCI 1010 - Introduction to Sociology *

- XCOR 1000 - College Experience
- College Writing (3)*

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II *
- CHEM 1021L - General Chemistry II Laboratory *
- BIOL 1230 - General Biology I *
- BIOL 1230L - General Biology I Laboratory *
- ENGL 1020 - English Composition and Literature * (Advanced Composition and Rhetoric)

- XCOR 1011 - Xavier Experience *
  or
- XCOR 1012 - New Orleans Experience *

- MATH 1070 - Introductory Calculus *

Semester Hours: 18

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I *
- CHEM 2230L - Organic Chemistry I Laboratory *
- BIOL 1240 - General Biology II *
- BIOL 1240L - General Biology II Laboratory *
- CMST 1010 - Fundamentals of Public Speaking *
- PHYS 2010 - General Physics I *
- PHYS 2010L - General Physics I Laboratory *

Semester Hours: 15

Second Semester

- CHEM 2220/2220D - Organic Chemistry II *
- CHEM 2240L - Organic Chemistry II Laboratory *
- BIOL 2010 - General Microbiology *
- BIOL 2015L - General Microbiology Laboratory (Pre-Pharmacy) *
- STAT 2015 - Biostatistics *
- STAT 2015D - Biostatistics Drill *
- PHIL 2400 - Health Ethics *
- Theology 3 (Faith and Society) *

Semester Hours: 17

Junior Year

First Semester

- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
    - African American Heritage and Legacies (3)
    - The Examined Life (3)

Semester Hours: 14

Second Semester

- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- Advanced Chemistry Elective (3)
    - The Human Past (3)
    - Creative Expression and Engagement (3)
- XCOR 3010 - Engaging the Mission

Semester Hours: 16

Senior Year

First Semester

- CHEM 4999 - Senior Comprehensives
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- XCOR 3020 - Engaging Global Issues

- BIOL Elective (3)
- Free Elective[1] (3)

Semester Hours: 13

Second Semester

- Capstone Course (2-3) [2]
- BIOL Elective (3)
- Free Elective[1] (4)
- Advanced Chemistry Elective (3)

Semester Hours: 12-13

[1] ECON 1030 is recommended for students planning to enter the Pharm.D. Program

[2] Capstone course can be selected from the following: CHEM 4080 Introduction to Research, CHEM 4083 Undergraduate Research, (Undergraduate Research, 0/3, requires permission of the Department Head) CHEM 4150L Genomics and Proteomics Laboratory, CHEM 4310L Synthesis Laboratory, and CHEM 4320L Molecular Structure and Organic Synthesis Laboratory.

Summary: Program in Chemistry (Pre-Pharmacy)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3, ENGL 1000 or ENGL 1010)
    - Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3 of 4, MATH 1030)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3, SOCI 1010 or PSYC 1010)
- The Human Past (3)
- Scientific Reasoning (3 or 4, CHEM 1010/1010D and CHEM 1011L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 55-56

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  (1 of 4)

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3210 - Quantitative Analysis
- Capstone Course (2-3)
- CHEM 3210L - Quantitative Analysis Laboratory
- Chemistry Electives (6, 3000-level or higher)
- CHEM 4320L - Molecular Structure and Organic Synthesis Laboratory
- CHEM 4999 - Senior Comprehensives
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- MATH 1030 - Pre-Calculus (1 of 4)
- MATH 1070 - Introductory Calculus
- CMST 1010 - Fundamentals of Public Speaking
- PHIL 2400 - Health Ethics

Minor: 18

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2015L - General Microbiology Laboratory (Pre-Pharmacy)
- BIOL Electives (6)

Free Electives: 6-7

Total Hours: 120

*Courses that must be completed prior to entering the PharmD Program

Chemistry (Pre-Professional), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- ENGL 1010 - English Composition and Rhetoric (College Writing)
- MATH 1030 - Pre-Calculus
- XCOR 1000 - College Experience
    - Human Behavior (3) [1]

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- MATH 1070 - Introductory Calculus
    - The Human Past (3)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- PHYS 2010 - General Physics I

- PHYS 2010L - General Physics I Laboratory
- Faith and Society (3)

Semester Hours: 15

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- African American Heritage and Legacies (3)
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- The Examined Life (3)

Semester Hours: 18

Junior Year

First Semester

- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- XCOR 3010 - Engaging the Mission
- Free Elective (3) [2]

Semester Hours: 14

Second Semester

- CHEM 4140 - Metabolism
- BIOL Elective (4) [3]
- XCOR 3020 - Engaging Global Issues
    - Creative Expression and Engagement (3)

Semester Hours: 13

Senior Year

First Semester

- CHEM 4999 - Senior Comprehensives

- BIOL Electives (7) [7]
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- Free Elective (3) [2]

Semester Hours: 14

Second Semester

- CHEM 4999 - Senior Comprehensives
- Capstone Course (2-3) [4]
- BIOL Electives (3) [3]
- Advanced CHEM elective (3)
- Free Electives (6) [2]

Semester Hours: 14-15

[1] SOCI 1010 and PSYC 1010 are recommended for students planning a career in the health professions.

[2] MATH 1020 (STAT 2010) and PHIL 2400 are recommended for students planning a career in the health professions.

[3] The choice of Biology electives must conform to the following two guidelines:

1. Total biology hours must be at least 22, including General Biology I-II.
2. All four advanced biology electives must come from groups A and B below. At least one course must be taken from each of the two groups.

Group A: BIOL 3350 - Anatomy and Physiology and BIOL 3350L - Anatomy and Physiology Laboratory; BIOL 3351 Anatomy and Physiology II and BIOL 3351L Anatomy and Physiology II Laboratory; BIOL 3162 - Developmental Biology and BIOL 3162L - Developmental Biology Laboratory, BIOL 4111 - Histology and BIOL 4111L - Histology Laboratory; BIOL 4091 - Comparative Vertebrate Anatomy/BIOL 4091L - Comparative Vertebrate Anatomy Laboratory.

Group B: BIOL 2010 - General Microbiology and BIOL 2010L - General Microbiology Laboratory, BIOL 3070 - Immunology and BIOL 3070L - Immunology Laboratory, BIOL 3091 - Cell Biology and BIOL 3091L - Cell Biology Laboratory, BIOL 3110 - Genetics and BIOL 3110L - Genetics Laboratory, BIOL 4240 Microbial Physiology, BIOL 4250 - Molecular Genetics and BIOL 4250L - Molecular Genetics Laboratory.

[4] Capstone course can be selected from the following: CHEM 4320L - Molecular Structure and Organic Synthesis Laboratory, CHEM 4310L - Synthesis Laboratory, CHEM 4080 - Introduction to Research and CHEM 4083 - Undergraduate Research sequence (Undergraduate Research, 0/3, requires permission of the Department Head), and CHEM 4150L - Genomics and Proteomics Laboratory.

Summary: Program in Chemistry (Pre-Professional)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
- Quantitative Reasoning (3 of 4, MATH 1030)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3 of 4, CHEM 1010/1010D and CHEM 1011L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 46-47

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  (1 of 4)

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 4140 - Metabolism
- Chemistry Elective (3, 3000 level or above)
- Capstone Course (2-3)
- CHEM 4999 - Senior Comprehensives
- MATH 1030 - Pre-Calculus (1 of 4)
- MATH 1070 - Introductory Calculus
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory

- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

Minor: 22

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL Electives (14)

Free Electives: 12

Total Hours: 120-121

Chemistry Education (Grades 6-12) (Certification - Chemistry), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Chemistry Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for more information.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

- MATH 1030 - Pre-Calculus
  or
- MATH 1030I - Intensive Pre-Calculus

- EDUC 2035 - Child & Adolescent Psychology
- XCOR 1000 - College Experience
  - College Writing (3)

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- STAT 2010 - Statistical Methods I

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- EDUC 2044 - Methods of Classroom Organization and Management
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
    - African American Heritage and Legacies (3)

Semester Hours: 14

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2200 - Multicultural Education
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- Faith and Society (3)

Semester Hours: 17

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level Education courses.

First Semester

- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- EDUC 2500 - Methods of Teaching 1-12
- XCOR 3020 - Engaging Global Issues
    - The Examined Life (3)
    - The Human Past (3)

Semester Hours: 16

Second Semester

- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3011 - Inorganic Chemistry
- CHEM 4080 - Introduction to Research
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology
- EDUC 4005S - Praxis Specialty Area
- XCOR 3010 - Engaging the Mission
    - Creative Expression and Engagement (3)

Semester Hours: 16

Senior Year

First Semester

- CHEM 4073 - Chemistry Literature Research (Capstone)
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 4999 - Senior Comprehensives
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- Residency (3) **
- BIOL or IPSC Elective (3)

Semester Hours: 16

Second Semester

- CHEM 4999 - Senior Comprehensives
- Residency (9) **

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

or

- EDSC 4150 - Teaching Reading in the Content Areas

Semester Hours: 12

**INNOVATIVE RESIDENCY MODEL = classroom fieldwork in afternoons in fall semester + classroom teaching in spring

Summary: Program in Chemistry Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
  - Advanced Composition and Rhetoric (3, ENGL 1020)
  - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, PHYS 2010/PHYS 2010L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

- CHEM 4080 - Introduction to Research
- CHEM 4073 - Chemistry Literature Research

Major: 34

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II

- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3011 - Inorganic Chemistry
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 4080 - Introduction to Research
- CHEM 4073 - Chemistry Literature Research
- CHEM 4999 - Senior Comprehensives

Education: 33*

- EDUC 1000 - Teacher Prep
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2200 - Multicultural Education
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology *
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School
  or
- EDSC 4150 - Teaching Reading in the Content Areas

- Residency (12)

Other Required Courses: 16*

- MATH 1030 - Pre-Calculus
- BIOL or IPSC Elective (3)
- MATH 1070 - Introductory Calculus (1*)
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory (1*)
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

- STAT 2010 - Statistical Methods I

Total Hours: 123

*See hours counted in Core.

Chemistry Minor

Students in other majors who wish to minor in chemistry must complete General Chemistry (CHEM 1010/1010D/CHEM 1011L and CHEM 1020/1020D/CHEM 1021L or CHEM 1110/1110D/CHEM 1111L and CHEM 1120/1120D/CHEM 1121L), Organic Chemistry (CHEM 2210/2210D/CHEM 2230L and CHEM 2220/2220D/CHEM 2240L), and at least two additional semester hours of chemistry courses at the 3000 level or higher. At least 9 hours of chemistry credits must be earned at Xavier.

Chemistry with Dual Degree in Chemical Engineering, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

The Department of Chemistry supports the Dual Degree Engineering Program in Chemical Engineering which is detailed below. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

Freshman Year

First Semester

- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- ENGR 1200 - Introduction to Engineering
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II
- PHYS 1121 - Physics I for PHYS and ENGR

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- MATH 2080 - Calculus III
    - The Examined Life (3)
- The Human Past (3)

Semester Hours: 18

Second Semester

- PHYS 2530 - Vibrations and Waves
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- MATH 2030 - Elementary Linear Algebra
    - African American Heritage and Legacies (3)
    - Faith and Society (3)

Semester Hours: 16

Junior Year

First Semester

- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- ENGR 2210 - Mechanics-Statics
- MATH 2530 - Differential Equations
- CHEM 4999 - Senior Comprehensives
- Creative Expression and Engagement (3)
    - Human Behavior (3)

Semester Hours: 16

Second Semester

- CHEM 3030 - Physical Chemistry I
- Capstone(2-3)
- ENGR 2630 - Analytical Methods for Physics and Engineering
- ENGR 3040 - Thermodynamics
- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Semester Hours: 17-18

Taken at Engineering School

- ENGR Electives (19-20)

[1] Capstone course can be selected from the following: CHEM 4080 Introduction to Research and CHEM 4083 Undergraduate Research sequence (Undergraduate Research, 0/3, requires permission of the Department Head), CHEM 4310L Synthesis Laboratory, and CHEM 4320L Molecular Structure and Organic Synthesis Laboratory.

Summary: Chemistry with Dual Degree Program in Chemical Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
  - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
  - Quantitative Reasoning (3 of 4, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3 of 4, CHEM 1010/1010D/CHEM 1011L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 45-46

- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
  (1 of 4)

- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 3030 - Physical Chemistry I
- Capstone (2-3)
- CHEM 4999 - Senior Comprehensives
- PHYS 1121 - Physics I for PHYS and ENGR
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- ENGR 1200 - Introduction to Engineering
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- ENGR 3040 - Thermodynamics

Minor: 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Free Electives: 19-20

Total Hours: 120

Chemistry with Dual Degree in Pharmacy, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I *
- CHEM 1011L - General Chemistry I Laboratory *
- MATH 1030 - Pre-Calculus
- XCOR 1000 - College Experience *

- PSYC 1010 - Introductory Psychology (Human Behavior) *
  or
- SOCI 1010 - Introduction to Sociology (Human Behavior) *

    - College Writing (3)*

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II *
- CHEM 1021L - General Chemistry II Laboratory *
- BIOL 1230 - General Biology I *
- BIOL 1230L - General Biology I Laboratory *
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric) *
- MATH 1070 - Introductory Calculus *

- XCOR 1011 - Xavier Experience *
  or
- XCOR 1012 - New Orleans Experience *

Semester Hours: 18

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I *
- CHEM 2230L - Organic Chemistry I Laboratory *
- BIOL 1240 - General Biology II *
- BIOL 1240L - General Biology II Laboratory *
- CMST 1010 - Fundamentals of Public Speaking *
- PHYS 2010 - General Physics I *
- PHYS 2010L - General Physics I Laboratory *

Semester Hours: 15

Second Semester

- CHEM 2220/2220D - Organic Chemistry II *
- CHEM 2240L - Organic Chemistry II Laboratory *

- BIOL 2010L - General Microbiology Laboratory *
- BIOL 2015L - General Microbiology Laboratory (Pre-Pharmacy) *
- PHIL 2400 - Health Ethics *
- STAT 2015 - Biostatistics *
- STAT 2015D - Biostatistics Drill *
- Theology (Faith & Society)*

Semester Hours: 17

Junior Year

First Semester

- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 3210 - Quantitative Analysis
- XCOR 3010 - Engaging the Mission
- The Examined Life (3)
    - African American Heritage and Legacies (3)
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

Semester Hours: 17

Second Semester

- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 4320L - Molecular Structure and Organic Synthesis Laboratory (Capstone)
- XCOR 3020 - Engaging Global Issues
    - The Human Past (3)
    - Creative Expression and Engagement (3)

Semester Hours: 15

Senior Year/P1

First Semester

- PHSC 3810 - Pharmacy Biochemistry/Molecular Biology
- CHEM 4999 - Senior Comprehensives
- PHCL 3610 - Biomedical Immunology
- PHCL 3620 - Human Physiology and Anatomy
- PHCL 3620L - Human Physiology and Anatomy Laboratory

Semester Hours: 10

Second Semester

- PHSC 3910 - Medicinal Chemistry/ Pharmacology (MCP) I
- PHCT 3050 - Pharmaceutics I
- PHCT 3050L - Pharmaceutics I Laboratory
- Additional P1 Courses [%]

Semester Hours: 13

Summary: Program in Chemistry with Dual Degree in Pharmacy

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3, ENGL 1000 or ENGL 1010)
  - Advanced Composition and Rhetoric (3, ENGL 1020)
  - Quantitative Reasoning (3 of 4, MATH 1030)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3, SOCI 1010 or PSYC 1010)
- The Human Past (3)
- Scientific Reasoning (3 or 4, CHEM 1010/1010D and CHEM 1011L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 57

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  (1 of 4)

- CHEM 1020/1020D - General Chemistry II

- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- PHSC 3810 - Pharmacy Biochemistry/Molecular Biology
- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 4320L - Molecular Structure and Organic Synthesis Laboratory
- CHEM Electives (8, PHSC 3910 and PHCT 3050/PHCT 3050L)
- CHEM 4999 - Senior Comprehensives
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- MATH 1030 - Pre-Calculus (1 of 4)
- MATH 1070 - Introductory Calculus
- CMST 1010 - Fundamentals of Public Speaking
- PHIL 2400 - Health Ethics

Minor: 18

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2015L - General Microbiology Laboratory (Pre-Pharmacy)
- BIOL Electives (6, PHCL 3610 and PHCL 3620/PHCL 3620L)

Free Electives: 5

Total Hours: 120

*Courses that must be completed prior to entering the PharmD Program

%Any additional courses completed during the P1 year can counted as free elective credit for the BS degree

Chemistry, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- ENGL 1010 - English Composition and Rhetoric (College Writing)
- MATH 1030 - Pre-Calculus
- XCOR 1000 - College Experience
    - Human Behavior (3)

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- MATH 1070 - Introductory Calculus
    - The Human Past (3)

Semester Hours: 17

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- Minor (3)
    - Faith and Society (3)

Semester Hours: 14

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

- Minor (3)
    - African American Heritage and Legacies (3)
    - The Examined Life (3)

Semester Hours: 17

Junior Year

First Semester

- CHEM 3210 - Quantitative Analysis
- CHEM 3210L - Quantitative Analysis Laboratory
- CHEM 3011 - Inorganic Chemistry
- XCOR 3010 - Engaging the Mission
    - Creative Expression and Engagement (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- CHEM 3010 - Physical Chemistry for the Life Sciences *
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- XCOR 3020 - Engaging Global Issues
- Minor (3)

Semester Hours: 14

Senior Year

First Semester

- CHEM 4999 - Senior Comprehensives
- Advanced CHEM Elective (3)
- Minor (3)
- Free Electives (7)

Semester Hours: 13

Second Semester

- CHEM 4999 - Senior Comprehensives
- Capstone Course (2-3) [2]

- Minor (6)
- Free Electives (6)

Semester Hours: 14-15

[1] *Students choosing to take CHEM 3030 must take the prerequisite MATH 2070 , and should take CHEM 3040 as their Advanced Chemistry Elective.

[2] Capstone course can be selected from the following: CHEM 4320L - Molecular Structure and Organic Synthesis Laboratory, CHEM 4310L - Synthesis Laboratory, CHEM 4080 - Introduction to Research and CHEM 4083 - Undergraduate Research sequence (requires permission of the Department Head), and CHEM 4150L - Genomics and Proteomics Laboratory.

Summary: Program in Chemistry

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3, ENGL 1000/ENGL 1010)
  - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
  - Quantitative Reasoning (3 of 4, MATH 1030)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3 of 4, CHEM 1010/1010D/CHEM 1010D and CHEM 1011L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 46-47

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
  (1 of 4)

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3010 - Physical Chemistry for the Life Sciences
- CHEM 3030L - Physical Chemistry I Laboratory
- CHEM 3130 - Introduction to Biochemistry
- CHEM 3130L - Introduction to Biochemistry Laboratory
- CHEM 3011 - Inorganic Chemistry
- CHEM Elective (3, 3000 level or above)
- Capstone (2-3)[1]
- Senior Comprehensives (0)
- MATH 1030 - Pre-Calculus (1 of 4)
- MATH 1070 - Introductory Calculus
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

Minor: 18

Free Electives: 15-16

Total Hours: 120

Pre-Pharmacy Program

The Pre-Pharmacy curriculum offered through the College of Arts and Sciences' Chemistry Department prepares students for pharmacy school. Students wishing to pursue a Doctor of Pharmacy (Pharm.D.) degree through Xavier's College of Pharmacy must complete 57 credit hours of the Chemistry Pre-Pharmacy curriculum, as specified, prior to being admitted to the Pharm.D. Program. Students interested in pursuing a Doctor of Pharmacy degree at another institution are also advised to follow the Chemistry Pre-Pharmacy curriculum while at Xavier.

Students choosing to follow the Chemistry Pre-Pharmacy curriculum work closely with advisors in the Chemistry Department. The curriculum is designed specifically to conform to prerequisite course requirements for Xavier's Doctor of Pharmacy Program, but students interested in other Doctor of Pharmacy programs may also follow this curriculum.

Basic Requirements: Most Pharmacy schools require the following as prerequisites for admission:

- one year of General Chemistry
- one year of Organic Chemistry
- one year of General Biology
- one semester of Microbiology or Anatomy and Physiology (or both)
- one semester of Physics
- one semester of Calculus
- one semester of Biostatistics

- one or two semesters of English composition
- one semester of Economics
- one semester of Public Speaking
- one semester of Social Science

For those students following this course of study who may opt to not pursue an advanced degree in Pharmacy, the four-year curriculum provides preparation for other careers or advanced study requiring significant background in Chemistry. Students choosing to complete the full four-year Program should work closely with their academic advisor in choosing elective courses.

Students interested in entering Xavier's Doctor of Pharmacy Program must complete the courses listed below. Students majoring in areas other than Chemistry who wish to apply to Xavier's Pharm.D. Program should work closely with their academic advisor in choosing courses to satisfy the requirements of their major program while completing courses required for admission to the Xavier College of Pharmacy.

Freshman Year

*Students enrolled in Xavier's Chemistry Pre-Pharmacy Program as freshmen must also earn credit for College Experience (XCOR 1000) and Xavier Experience/New Orleans Experience (XCOR 1011/XCOR 1012).

First Semester

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

- ENGL 1000 - Intensive English Composition and Rhetoric (College Writing)
  or
- ENGL 1010 - English Composition and Rhetoric (College Writing)

- XCOR 1000 - College Experience *
- MATH 1030 - Pre-Calculus

- PSYC 1010 - Introductory Psychology
  or
- SOCI 1010 - Introduction to Sociology

Semester Hours: 15

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- MATH 1070 - Introductory Calculus

- XCOR 1011 - Xavier Experience *
  or

- XCOR 1012 - New Orleans Experience *

Semester Hours: 18

Sophomore Year

First Semester

- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CMST 1010 - Fundamentals of Public Speaking
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory

Semester Hours: 15

Second Semester

- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- BIOL 2010 - General Microbiology
- BIOL 2015L - General Microbiology Laboratory (Pre-Pharmacy)
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill
- PHIL 2400 - Health Ethics
- Theology (any 3 cr THEO course)

Semester Hours: 17

Department of Mathematics

Division of Mathematical and Physical Sciences

NCF Annex 530 - (504) 520-7461 - https://www.xula.edu/department?id=mathematics_5bf4754

The Department of Mathematics offers four majors:

The Bachelor of Science in Mathematics Program has been designed to accommodate a wide variety of career options and to encourage students to pursue a second area of interest by means of a double major, a double minor, or a combination of concentrations. A major in mathematics coupled with a strong minor in accounting, biology, business, chemistry, computer science, economics, physics, psychology, sociology, or statistics or a double concentration in two of these areas uniquely fits one

for a number of career choices as well as for graduate school. A student in the Mathematics major takes forty-two semester hours of mathematics, three hours of statistics, and three hours of computer programming.

The Bachelor of Science in Mathematics Education Program fulfills all the requirements for a state teaching certificate in addition to providing the student with a strong background in mathematics. Students who choose this major are well prepared either to enter the teaching field immediately upon graduation or to go to graduate school. Students in this major take thirty-one semester hours of mathematics, thirty-three semester hours of education, three semester hours of statistics and three hours of computer science.

The Bachelor of Science in Statistics Program is designed for students who wish to study theoretical statistics or apply statistics to many fields other than just those in healthcare, for example business and economics. Students who choose this track take all their courses for the bachelor's degree on Xavier's campus. The program requires thirty semester hours in statistics, twenty-four semester hours of mathematics, three semester hours of computer programming, and three semester hours of data science.

The Bachelor of Science in Statistics and Biostatistics Accelerated Program is offered in cooperation with the Louisiana State University Health Sciences Center in New Orleans (LSUHSC). This program offers Xavier students the opportunity to obtain both a B.S. degree from Xavier in Statistics and an M.S. degree in Biostatistics from LSUHSC in only five years. The Program contains 27 semester hours of mathematics and 59 semester hours of statistics along with a computer programming course. Forty-four (44) of these 59 hours in statistics are taken at LSUHSC and are credited toward both the B.S. degree in Statistics at Xavier and the M.S. degree from LSUHSC (See the policies for this program below.)

During the senior year, the student in each major must pass a written comprehensive examination. For the Mathematics and Mathematics Education programs, the examination covers mathematics courses required for those majors; for the Statistics major, the examination covers mathematics and statistics courses required in the program; for the Statistics and Biostatistics major, the examination covers mathematics and statistics courses required by the program and taken on Xavier's campus.

In order for a mathematics or statistics course to be counted for degree credit, students must earn a grade of "C" or better. Furthermore, all students in these programs are required to attend all departmental meetings.

Honors in Mathematics - For placement in the Honors in Mathematics Program, students should apply to the Mathematics Department. To receive the distinction "Honors in Mathematics," students must satisfy one of the following two criteria:

1. Students must take MATH 1070H and MATH 2070H and at least four (4) additional hours of mathematics or statistics at the 2000 level or above. Examples of additional work that satisfy these requirements are MATH 2080 and STAT 2021. Students must receive a cumulative grade point average of 3.3 or higher in all mathematics and statistics courses taken with no grade of "C" or below.
2. Students must take MATH 1070 or MATH 1070H and MATH 2070, and at least six (6) additional hours of mathematics or statistics at the 2000 level or above. Students must receive a cumulative grade point average of 3.3 or higher in all mathematics and statistics courses taken with no grade of "C" or below.

Policies for the Joint XU/LSUHSC Statistics and Biostatistics Accelerated Program -- The following policies apply:

1. Xavier students having at least a 3.0 GPA in mathematics and statistics courses listed in the first three years of the Program and having an overall GPA of at least 2.5 are eligible, upon approval of the LSUHSC Department of Biostatistics, for admission at LSUHSC to those courses listed in the fourth year of the Program.
2. During the fourth year of the Program, students will register at both LSUHSC and Xavier. In addition to their Xavier courses,
    a. in the fall semester, students will register at Xavier for 14 semester hours of courses to be taken at LSUHSC, and
    b. in the spring semester, students will register at Xavier for 10 semester hours of courses to be taken at LSUHSC. These students will be considered full-time students at Xavier and pay full Xavier tuition. At LSUHSC, the students will be considered special students, paying no additional tuition. (LSUHSC will bill Xavier directly for the LSUHSC courses in which the students are enrolled.)
3. To graduate from Xavier at the end of the fourth year of this program with a B.S. in Statistics and Biostatistics Accelerated, students must:
    a. maintain at least a "C" grade in each of the courses taken at LSUHSC,

    b. pass a comprehensive examination covering mathematics and statistics courses taken at Xavier, and
    c. satisfy all other Xavier University general degree requirements.
4. Admission as a regular graduate student at LSUHSC in the fifth year of the Program is contingent upon approval of the Department of Biostatistics at LSUHSC.
5. To graduate from LSUHSC with an M.S. degree from the Department of Biostatistics, students must:
    a. maintain at least a "B" average at LSUHSC,
    b. make an acceptable score on the Graduate Record Examination which must be taken prior to the fifth year of the Program, and
    c. satisfy all other regular requirements of the LSUHSC School of Graduate Studies and the Department of Biostatistics.

Mathematics Education (Grades 6-12), B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Mathematics Education majors should note that certification requirements are established by the Louisiana Department of Education and are subject to change. Students should consult their advisors each semester. Education majors should consult the Division of Education and Counseling section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

Freshman Year

First Semester

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- EDUC 1000 - Teacher Prep
- EDUC 2035 - Child & Adolescent Psychology
- STAT 2010 - Statistical Methods I
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 14

Second Semester

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- PHIL 2040 - Logic
- STAT 2021 - Statistical Methods II

- XCOR 1011 - Xavier Experience
  or

- XCOR 1012 - New Orleans Experience

Semester Hours: 17

Sophomore Year

First Semester

- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
    - African American Heritage and Legacies (3)
    - The Examined Life (3)
    - Faith and Society (3)

Semester Hours: 16

Second Semester

- MATH 2030 - Elementary Linear Algebra
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2040 - Introduction to the Exceptional Child

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

    - Creative Expression and Engagement (3)

Semester Hours: 15

Junior Year

All majors must have passed all parts of Praxis I and should have been accepted into the Teacher Education Program before taking junior-level education courses.

First Semester

- MATH 2015 - Geometry for Elementary Education Majors
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
    - The Human Past (3)

Semester Hours: 16

Second Semester

- MATH 4005 - Advanced and Experimental Problem Solving
- MATH 4511 - Colloquium
- MATH 4999 - Senior Comprehensives
- Math Elective (3)*
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 2200 - Multicultural Education
- EDUC 3040 - Educational Psychology

Semester Hours: 15

Senior Year

First Semester

- MATH 4521 - Colloquium
- MATH 4095 - Abstract Algebra
- MATH 4095D - Abstract Algebra Drill
- EDUC 2044 - Methods of Classroom Organization and Management
- Free Elective (4) (recommended: PHYS 2020/PHYS 2020L)
- EDUC 2500 - Methods of Teaching 1-12
- Residency (3)**

Semester Hours: 17

Second Semester

- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School (or EDSC 4150)
- EDUC 4005S - Praxis Specialty Area
- EDUC 4060S - Student Teaching Seminar
- Residency (9)**

Semester Hours: 12

* A mathematics elective must be a mathematics or statistics course at the 2000-level or above with the exception of MATH 2015, MATH 2025, MATH 2510/PHYS 2510, STAT 2015/STAT 2015D, MATH 4002. A statistics course used as part of a minor in statistics may not also be used as a mathematics elective.

**INNOVATIVE RESIDENCY MODEL = classroom TEACHING 10 afternoon hours per week for 12 weeks in fall semester + FULLTIME classroom teaching in spring semester

Summary: Program in Math Education (Grades 6-12)

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, PHYS 2010/PHYS 2010L)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

- MATH 4521 - Colloquium

Major: 31 *

- MATH 1070 - Introductory Calculus (1 of 4*)
- MATH 2015 - Geometry for Elementary Education Majors
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II
- MATH 4005 - Advanced and Experimental Problem Solving
- Math Elective (3)**
- MATH 4095 - Abstract Algebra
- MATH 4095D - Abstract Algebra Drill
- MATH 4511 - Colloquium
- MATH 4521 - Colloquium

- MATH 4999 - Senior Comprehensives

Education: 33*

- EDUC 1000 - Teacher Prep
- EDUC 2005R - Praxis PPST Reading
- EDUC 2005W - Praxis PPST Writing
- EDUC 2005M - Praxis PPST Math
- EDUC 2035 - Child & Adolescent Psychology
- EDUC 2040 - Introduction to the Exceptional Child
- EDUC 2044 - Methods of Classroom Organization and Management
- EDUC 2200 - Multicultural Education
- EDUC 2500 - Methods of Teaching 1-12
- EDUC 3005L - Principles of Learning and Teaching Praxis II
- EDUC 3040 - Educational Psychology (0)*
- EDEL 3050B - Methods and Materials in the Teaching of Reading
- EDUC 4005S - Praxis Specialty Area
- EDUC 4060S - Student Teaching Seminar
- EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School (or EDSC 4150)
- Residency (12)***

Other Required Courses: 18*

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

- PHIL 2040 - Logic
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory (1)*
- STAT 2010 - Statistical Methods I
- STAT 2021 - Statistical Methods II

Free Electives: 4

- Rec: PHYS 2020 - General Physics II
- Rec: PHYS 2020L - General Physics II Laboratory

Total Hours: 122

*Some hours listed in Core above.

** A mathematics elective must be a mathematics or statistics course at the 2000-level or above with the exception of MATH 2015, MATH 2025, MATH 2510/PHYS 2510, STAT 2015/STAT 2015D, MATH 4002. A statistics course used as part of a minor in statistics may not also be used as a mathematics elective.

***INNOVATIVE RESIDENCY MODEL = classroom TEACHING 10 afternoon hours per week for 12 weeks in fall semester + FULLTIME classroom teaching in spring semester

Mathematics Minor

The minor in mathematics consists of eighteen (18) semester hours of mathematics of which at least eight must be at the 2000-level or above. The calculus sequence (MATH 1070-MATH 2070-MATH 2080) is strongly recommended as part of the minor program. Students planning to minor in mathematics should be advised by the Mathematics Department Head or someone he or she designates as well as by their primary academic advisor.

Mathematics, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- STAT 2010 - Statistical Methods I
  - College Writing (3)
- XCOR 1000 - College Experience
  - Human Behavior (3)

Semester Hours: 14

Second Semester

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering (Scientific Reasoning)

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- PHIL 2040 - Logic

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 16

Sophomore Year

First Semester

- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- MATH 2030 - Elementary Linear Algebra
- Minor (3)*
    - African American Heritage and Legacies (3)

Semester Hours: 16

Second Semester

- MATH 2530 - Differential Equations
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II
- Minor (3)*
    - The Examined Life (3)
    - The Human Past (3)

Semester Hours: 15

Junior Year

First Semester

- MATH 4050 - Real Analysis I
- Minor (3)*
    - Faith and Society (3)
    - Scientific Reasoning (3)
- Free Elective (2)

Semester Hours: 14

Second Semester

- MATH 4005 - Advanced and Experimental Problem Solving
- MATH 4060 - Real Analysis II
- MATH 4511 - Colloquium
- Mathematics Elective (6) **
- Minor (3)*
- Free Elective (3)

Semester Hours: 18

Senior Year

First Semester

- MATH 4521 - Colloquium
- Minor (3)*
- Free Electives (2)
- MATH 4999 - Senior Comprehensives
- MATH 4095 - Abstract Algebra
- MATH 4095D - Abstract Algebra Drill
- XCOR 3010 - Engaging the Mission

Semester Hours: 12

Second Semester

- XCOR 3020 - Engaging Global Issues
- Minor (3)*
- Free Electives (7)
    - Creative Expression and Engagement (3)

Semester Hours: 16

Note:

* These hours are to be used by the student to help fulfill the requirement for a minor or a double concentration. For some choices of a minor, like statistics, only 15 of these hours will be needed since 3 hours are already listed as a requirement. In such a case, the other 3 hours will be mathematics electives.

**A mathematics elective must be a mathematics or statistics course at the 2000-level or above with the exception of MATH 2015, MATH 2025, MATH 2510/PHYS 2510, STAT 2015/STAT 2015D, MATH 4002. A statistics course used as part of a minor in statistics may not also be used as a mathematics elective.

Summary: Program in Mathematics

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - (Advanced Composition and Rhetoric) (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

Capstone: 0

- MATH 4521 - Colloquium

Major: 40*

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II
- MATH 4005 - Advanced and Experimental Problem Solving
- MATH 4050 - Real Analysis I
- MATH 4060 - Real Analysis II
- MATH 4095 - Abstract Algebra
- MATH 4095D - Abstract Algebra Drill
- MATH 4511 - Colloquium
- MATH 4521 - Colloquium
- MATH Electives (6)**
- MATH 4999 - Senior Comprehensives

Other Required Courses: 9

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

- PHIL 2040 - Logic
- STAT 2010 - Statistical Methods I **

Minor: 18

Free Electives: 14

Total Hours: 121

* Some hours are counted in the Core.

** A mathematics elective must be a mathematics or statistics course at the 2000-level or above with the exception of MATH 2015, MATH 2025, MATH 2510/PHYS 2510, STAT 2015/STAT 2015D, MATH 4002. A statistics course used as part of a minor in statistics may not also be used as a mathematics elective.

Statistics and Biostatistics Accelerated, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- XCOR 1000 - College Experience
  - College Writing (3)
  - Creative Expression and Engagement (3)
  - Human Behavior (3)

Semester Hours: 14

Second Semester

- STAT 2010 - Statistical Methods I
  or
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- PHIL 2040 - Logic

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 16

Sophomore Year

First Semester

- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- STAT 2021 - Statistical Methods II
- MATH 2030 - Elementary Linear Algebra
    - African American Heritage and Legacies (3)

Semester Hours: 17

Second Semester

- STAT 3810 - Regression Analysis
- Faith and Society (3)
- Free Electives (7)

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering (Scientific Reasoning)

Semester Hours: 16

Junior Year

First Semester

- STAT 4040 - Mathematical Probability and Statistics I
- BIOL 1030 - General Biology (Non-science majors)
- BIOL 1030L - General Biology Laboratory (Non-science majors)
- STAT 3700 - Multivariate Data Analysis
- XCOR 3010 - Engaging the Mission
    - The Examined Life (3)

Semester Hours: 15

Second Semester

- STAT 3820 - Analysis of Variance
- STAT 4045 - Mathematical Probability and Statistics II
- MATH 4005 - Advanced and Experimental Problem Solving

- STAT 4511 - Colloquium
- BIOL 1040 - General Biology (Non-science majors)
- BIOL 1040L - General Biology Laboratory (Non-science majors)
- XCOR 3020 - Engaging Global Issues
    - The Human Past (3)

Semester Hours: 18

Senior Year

First Semester

- STAT 4521 - Colloquium
- LSUHSC: BIOS 6200 Biostatistical Methods (4)
- LSUHSC: BIOS 6204 Probability and Math. Stat. I (3)
- LSUHSC: INTER 220 Ethics in Biomedical Sciences (1)
- STAT 4999 - Senior Comprehensives
- Free Elective (XU) (4)

Semester Hours: 13

Second Semester

- Free Electives (XU) (3)
- LSUHSC: BIOS 6206 Probability and Math. Stat. II (3)
- LSUHSC: BIOS 6202 Applied Linear Models (3)
- LSUHSC: EPID 6210 Principles of Epidemiology (3)
- LSUHSC: PUBH 6221 Public Health Ethics (1)

Semester Hours: 13

Summary: Program in Statistics and Biostatistics Accelerated

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
- Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

- STAT 4521 - Colloquium

Major: 24

- STAT 2010 - Statistical Methods I or (STAT 2015/STAT 2015D)
- STAT 2021 - Statistical Methods II
- STAT 3700 - Multivariate Data Analysis
- STAT 3810 - Regression Analysis
- STAT 3820 - Analysis of Variance
- STAT 4040 - Mathematical Probability and Statistics I
- STAT 4045 - Mathematical Probability and Statistics II
- STAT 4511 - Colloquium
- STAT 4521 - Colloquium
- STAT 4999 - Senior Comprehensives

LSUHSC Fourth Year: 18

Minor: 17*

- MATH 1070 - Introductory Calculus (1*)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- MATH 4005 - Advanced and Experimental Problem Solving

Other Required Courses: 9

- BIOL 1040 - General Biology (Non-science majors)
- BIOL 1040L - General Biology Laboratory (Non-science majors)

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

- PHIL 2040 - Logic

Free Electives: 14

Total Hours: 122

*Some hours already counted in core.

Summary of M.S. Program at LSUHSC

5th Year at LSUHSC - To be determined by LSUHSC

39 credit hours minimum required to earn an M.S. in Biostatistics

18 credit hours completed in fourth year, 21 credit hours remain for fifth year

Statistics Minor

The minor in statistics consists of eighteen (18) semester hours of statistics courses and must include one of the following sequences: STAT 2010-STAT 2021 or STAT 2015/STAT 2015D. Students may not count both STAT 2010 and STAT 2015/STAT 2015D as part of the minor in statistics. Students planning to minor in statistics should be advised by the Mathematics Department Head or someone he or she designates as well as by their primary academic advisor.

Statistics, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- XCOR 1000 - College Experience
- College Writing (3)
- Creative Expression and Engagement (3)
- Human Behavior (3)

Semester Hours: 14

Second Semester

- STAT 2010 - Statistical Methods I
  or
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- PHIL 2040 - Logic

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 16

Sophomore Year

First Semester

- STAT 2021 - Statistical Methods II
- MATH 2030 - Elementary Linear Algebra
- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- African American Heritage and Legacies (3)

Semester Hours: 16

Second Semester

- STAT 3810 - Regression Analysis
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

- Faith and Society (3)
- Free Electives (4)

Semester Hours: 17

Junior Year

First Semester

- STAT 3700 - Multivariate Data Analysis
- MATH 4050 - Real Analysis I
- XCOR 3010 - Engaging the Mission
- The Examined Life (3)
- Free Electives (3)

Semester Hours: 15

Second Semester

- STAT 3820 - Analysis of Variance
- STAT 4511 - Colloquium
- MATH 4005 - Advanced and Experimental Problem Solving
- MATH 4060 - Real Analysis II
- XCOR 3020 - Engaging Global Issues
- The Human Past (3)
- Scientific Reasoning (3)

Semester Hours: 18

Senior Year

First Semester

- STAT 4040 - Mathematical Probability and Statistics I
- STAT 4521 - Colloquium
- STAT 4999 - Senior Comprehensives
- DTSC 3010 - Statistical Methods of Data Mining
- Free Elective (XU) (6)

Semester Hours: 13

Second Semester

- STAT 4045 - Mathematical Probability and Statistics II
- MATH or STAT electives (6)*
- Free Electives (XU) (4)

Semester Hours: 13

Summary: Program in Statistics

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
- Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Capstone: 0

- STAT 4521 - Colloquium

Major: 30

- STAT 2010 - Statistical Methods I
- STAT 2021 - Statistical Methods II
- STAT 3700 - Multivariate Data Analysis
- STAT 3810 - Regression Analysis
- STAT 3820 - Analysis of Variance
- STAT 4040 - Mathematical Probability and Statistics I
- STAT 4045 - Mathematical Probability and Statistics II
- STAT 4511 - Colloquium
- STAT 4521 - Colloquium

- STAT 4999 - Senior Comprehensives
- MATH or STAT electives (6)*

Minor: 26**

- MATH 1070 - Introductory Calculus (1**)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- MATH 2560 - Discrete Structures for Computer Science and Mathematics II
- MATH 4005 - Advanced and Experimental Problem Solving
- MATH 4050 - Real Analysis I
- MATH 4060 - Real Analysis II

Other Required Courses: 9

- DTSC 3010 - Statistical Methods of Data Mining

- CPSC 1710 - Computer Science I
  or
- PHYS 2510 - Computational Science & Engineering

- PHIL 2040 - Logic

Free Electives: 17

Total Hours: 122

*To be selected from any 2000-level or higher STAT course or MATH 2020, MATH 2530, MATH 3030, MATH 3040, MATH 3110 or MATH 3750.

**Some hours already counted in core.

Department of Physics and Computer Science

Division of Mathematical and Physical Sciences

NCF Science Annex 233 - (504) 520-7643 - https://www.xula.edu/department?id=physics_and_computer_science

Program in Bioinformatics

The Bachelor of Science in Bioinformatics enables students to gain knowledge and skills relevant to the broad field of bioinformatics, including understanding complex biological systems and their quantitative data; processing, storing, analyzing, and modeling of many types of biological data; and effectively communicating research findings. The field of bioinformatics is

emerging at the intersections of biological sciences, statistics, Informatics, computer science, and design. The program's interdisciplinary curriculum provides students with content knowledge across the field, training a generation of students to become future leaders in bioinformatics. Graduates of the program will acquire the qualifications to pursue careers in industry, government, and academia as bioinformatics professionals, or pursue further studies towards obtaining MS, PhD, or other STEM related degrees.

All bioinformatics majors are required to complete a total of 120 hours of coursework that includes the Xavier Core Curriculum, and courses in bioinformatics, biology, chemistry, computer science, mathematics, and statistics, (six hours of which are already counted as part of the Core Curriculum hours). In addition, they need to successfully complete a two-part bioinformatics capstone project before graduation. In Bioinformatics Capstone I (BINF 4598), students have to choose a project that requires the implementation of bioinformatics software, pipelines, frameworks, or procedures to address important problems at the intersection of biology and computer science. Bioinformatics Capstone II (BINF 4599) will be on the continuation of the project from the first course, along with its implementation and evaluation.

Programs in Computer Science

The Computer Science Program prepares students to advance computing as a science and a profession. Computing is important to virtually every other discipline so computing students learn to analyze complex interdisciplinary problems and develop good solutions using creative problem-solving skills. Students have opportunities to study mobile application development, business, data mining, graphics, robotics, networking, security, and many other computing areas. At graduation, computer science majors are leaders prepared for graduate school or for stable careers that have excellent salaries.

The Physics & Computer Science Department offers the Bachelor of Science degree in Computer Science, the Bachelor of Science degree in Computer Information Systems, the Minor in Computer Science, and a Bachelor of Science degree in Computer Science with a Dual Degree in Computer Engineering. All majors require the same introductory programming sequence then diverge and the computer science majors take more mathematics courses, the computer information systems majors take more business courses, and the dual degree computer engineering majors take more mathematics and physics courses.

At the completion of the undergraduate degree requirements, our graduates are able to apply design techniques and programming practices to solve challenging problems; they have a breadth of knowledge in the theory and practice of computing; they understand the joys and challenges of teamwork; they are able to effectively communicate their knowledge; they have had research opportunities that enhance their knowledge; and they are prepared to be life-long learners in the computing sciences and beyond.

The computer science curricula are based on the recommendations of the Association for Computing Machinery (ACM), the Association of Information Technology Professionals (AITP), and the Accreditation Board for Engineering and Technology (ABET). The University requires a minimum of 120 hours earned overall which includes the courses required to complete the Core Curriculum, a minor, and a major.

In addition to all University policies, computer science majors can earn no more than 25% of their computer science (CPSC) courses from another institution. No more than 10% of their earned 3000-level or above CPSC courses can be transferred from another institution.

To earn a Bachelor of Science Degree in Computer Science, a student must earn a total of 120 semester hours; earn a "C" or better in all computer science courses accepted for credit; earn a "C" or better in all mathematics courses accepted for credit; and earn a "C" or better in Philosophy Logic (PHIL 2040).

To earn a Bachelor of Science Degree in Computer Information Systems, a student must earn a total of 120 semester hours; earn a "C" or better in all computer science courses accepted for credit; earn a "C" or better in all business courses accepted for credit; and earn a "C" or better in Philosophy Logic (PHIL 2040).

Xavier also has a Computer Science with Dual Degree in Computer Engineering Program. This 3+2 program requires students to complete the core curriculum and the computer science courses and then transfer to an engineering school to complete their

engineering degree requirements. Upon completion of the degree requirements, students will earn a Bachelor of Science Degree in Computer Science from Xavier and a Bachelor's Degree in Computer Engineering from their engineering school.

Students choosing a double concentration in computer science and another discipline, must earn a total of 12 hours with a grade of "C" or better in CPSC 1724, CPSC 2120, and CPSC 2735. An additional 12 hours is required in the other selected discipline of which specific courses might be required. Students are advised to check with the selected department that houses the discipline for the most up-to-date requirements.

Computer science majors with (1) a 3.5 grade point average in all computer science and mathematics courses accepted for credit, and (2) a cumulative 3.3 grade point average overall have earned the graduation distinction of "Honors in Computer Science". Students must meet the academic requirements throughout their tenure in the Physics & Computer Science Department.

Computer information systems majors with (1) a 3.5 grade point average in all computer science and business courses accepted for credit, and (2) a cumulative 3.3 grade point average overall have earned the graduation distinction of "Honors in Computer Information Systems". Students must meet the academic requirements throughout their tenure in the Physics & Computer Science Department.

Programs in Physics

Students electing physics as a major have the option of pursuing a program leading to either a Bachelor of Science (B.S.) or a Bachelor of Arts (B.A.) degree. The B.S. Program is designed for the student who plans a career as a physicist or as an engineer. The B.A. Program is pursued by students as preparation for further study and work in such fields as medicine, law, physical chemistry, biophysics, business administration, psychology, education, and many others.

The objective of the B.S. curriculum in physics is to equip the student with those skills (logical reasoning, problem analysis and solution, techniques in experimentation) and knowledge (fundamental concepts) necessary for entry into either graduate study in physics or the work force. The B.S. curriculum requires the student to take a total of 120 semester hours, with at least 51 in physics and 22 in mathematics.

The objective of the B.A. curriculum in physics is to enable the student to develop patterns of analytical reasoning and problem-solving which would be useful in the student's chosen area outside of physics - medicine, law, etc. It is also intended that this curriculum will enable the student to acquire experiences that will serve as a foundation for later study in the chosen area of specialization. The student in the B.A. curriculum takes a total of 120 semester hours, with at least 24 in physics, 19 in mathematics and 24 in the area of specialization.

Xavier also has a Physics with Dual Degree in Civil, Electrical, Environmental and Mechanical Engineering Program. This 3+2 program requires students to complete the core curriculum and the physics courses and then transfer to an engineering school to complete their engineering degree requirements. Upon completion of the degree requirements, students will earn a Bachelor of Arts or Science Degree in Physics from Xavier and a bachelor's degree in Civil, Electrical, Environmental and Mechanical Engineering from their engineering school.

All majors must take a written comprehensive examination during the senior year dealing with the fundamentals of the various fields of physics and attend all departmental meetings. All Dual Degree Engineering Program students need to take a written examination in their junior year to receive a physics degree after completing the engineering degree requirements. In order for a physics or mathematics course to be counted for degree credit, a student must have a "C" or better in it.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended 1110-1120 sequence. Note that a student's chemistry courses must all be in one of the sequences.

Bioinformatics, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

A joint degree by the Biology Department and the Physics and Computer Science Department, this program provides students with a solid foundation in chemistry, biology, computer science, mathematics, and statistics. Students are trained in using computers to analyze, organize, and visualize biological data in ways that increase the understanding of this data and lead to new discoveries. Graduates are well-qualified for many rewarding careers, including those in bioinformatics software development, biomedical research, biotechnology, comparative genomics, genomics, molecular imaging, pharmaceutical research and development, proteomics, and vaccine development.

Freshman Year

First Semester

- CPSC 1724 - Introduction to Computer Science
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- XCOR 1000 - College Experience
    - College Writing (3)
- Human Behavior (3)

Semester Hours: 15

Second Semester

- BINF 1500 - Introduction to Informatics
- CPSC 2735 - Data Structures
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)

Semester Hours: 18

Sophomore Year

First Semester

- BINF 2500 - Introduction to Bioinformatics
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- MATH 1030 - Pre-Calculus
- Examined Life (3)

- Human Past (3)

Semester Hours: 17

Second Semester

- CPSC 2900 - Introduction to Bioinformatics Programming
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- African American Heritage & Legacies (3)
- Faith & Society (3)

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

Semester Hours: 17

Junior Year

First Semester

- BINF 3500 - Bioinformatics Computing
- CHEM 2210/2210D - Organic Chemistry I
- BIOL 3091 - Cell Biology
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill
- XCOR 3010 - Engaging the Mission

Semester Hours: 15

Second Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- STAT 2021 - Statistical Methods II
- Creative Expression & Engagement (3)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 14

Senior Year

First Semester

- BINF 4598 - Bioinformatics Capstone I
- 3000 level BINF/CPSC/DTSC Elective (3)
- Elective/Minor/Concentration (8)

Semester Hours: 12

Second Semester

- BINF 4599 - Bioinformatics Capstone II
- 2000-4000 level in BINF/CPSC/CHEM/BIOL Elective (3)
- Elective/Minor/Concentration (7)
- BINF 4999 - Senior Comprehensives

Semester Hours: 12

Summary: B.S. Program in Bioinformatics

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)

- Creative Expression and Engagement (3)

- The Examined Life (3)

- Faith and Society (3)

- Human Behavior (3)

- The Human Past (3)

- Scientific Reasoning (3, BIOL 1230)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Bioinformatics: 12

- BINF 1500 - Introduction to Informatics
- BINF 2500 - Introduction to Bioinformatics
- BINF 3500 - Bioinformatics Computing
- BINF 4598 - Bioinformatics Capstone I
- BINF 4599 - Bioinformatics Capstone II
- BINF 4999 - Senior Comprehensives

Biology: 12**

- BIOL 1230 - General Biology I (0)**
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 3091 - Cell Biology
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory

Chemistry: 11

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I

Computer Science: 12

- CPSC 1724 - Introduction to Computer Science
- CPSC 2735 - Data Structures
- CPSC 2900 - Introduction to Bioinformatics Programming

Mathematics: 12*

- MATH 1070 - Introductory Calculus (1)*
  or
- MATH 1070H - Introductory Calculus Honors (1)*

- MATH 1030 - Pre-Calculus
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill
- STAT 2021 - Statistical Methods II

BINF/CPSC/DTSC Elective: 3

BINF/CPSC/DTSC/CHEM/BIOL Elective: 3

Free Electives/Minor/Concentration: 15***

Total Hours: 120

*3 hours counted towards FOUNDATIONS/Quantitative Reasoning.

**3 hours counted towards EXPLORATIONS/Scientific Reasoning.

*** Bioinformatics majors are encouraged to to take CHEM 2220/2220D.

Computer Information Systems, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CPSC 1724 - Introduction to Computer Science
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- CPSC 2735 - Data Structures
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience
- Free Electives (6)

Semester Hours: 17

Sophomore Year

First Semester

- ACCT 1010 - Principles of Accounting

- ECON 2010 - Principles of Micro Economics
  or
- ECON 2020 - Principles of Macro Economics

  - Faith and Society (3)
- Free Elective (3)

Semester Hours: 12

Second Semester

- CPSC 2120 - Computer Organization and Architecture
- CPSC 2740 - Software Development
- MGMT 2060 - Principles of Management
- PHIL 2040 - Logic
  - The Human Past (3)

Semester Hours: 15

Junior Year

First Semester

- CPSC 1800 - Fundamentals of Information Systems
- CPSC 3140 - Operating Systems
- CPSC 3710 - Databases, Introduction to information models and systems
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
  - Human Behavior (3)

Semester Hours: 15

Second Semester

- CPSC 2005 - Advanced PC's and Software Applications
- STAT 2010 - Statistical Methods I
- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Scientific Reasoning (3)

Semester Hours: 15

Senior Year

First Semester

- CPSC 4800 - Capstone Project I
- CPSC Elective (3)
- Business 3000+ (3)
- SMKT 2050 - Principles of Marketing
- XCOR 3010 - Engaging the Mission
- Free Elective (3)

Semester Hours: 16

Second Semester

- CPSC 4805 - Capstone Project II
- CPSC 4999 - Senior Comprehensives
- CPSC 4999P - Senior Comprehensives Programming
- BSAD 3195 - Computer-Based Information Systems
- PHIL 2410 - Business Ethics
- XCOR 3020 - Engaging Global Issues
- Free Elective (1)
    - The Examined Life (3)

Semester Hours: 15

Summary: Program in Computer Information Systems

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
- Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)

- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 33

- CPSC 1724 - Introduction to Computer Science
- CPSC 1800 - Fundamentals of Information Systems
- CPSC 2005 - Advanced PC's and Software Applications
- CPSC 2120 - Computer Organization and Architecture
- CPSC 2735 - Data Structures
- CPSC 2740 - Software Development
- CPSC 3140 - Operating Systems
- CPSC 3710 - Databases, Introduction to information models and systems
- CPSC Elective (3)
- CPSC 3000+ (3)
- CPSC 4800 - Capstone Project I
- CPSC 4805 - Capstone Project II
- CPSC 4999 - Senior Comprehensives
- CPSC 4999P - Senior Comprehensives Programming

Required (Mathematics): 7*

- MATH 1070 - Introductory Calculus (1*)
- STAT 2010 - Statistical Methods I
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I

Required (Philosophy): 6

- PHIL 2410 - Business Ethics
- PHIL 2040 - Logic

Required (Business) - Minor: 18

- ACCT 1010 - Principles of Accounting
- BSAD 3195 - Computer-Based Information Systems

- ECON 2010 - Principles of Micro Economics
  or
- ECON 2020 - Principles of Macro Economics

- MGMT 2060 - Principles of Management
- SMKT 2050 - Principles of Marketing
- Business 3000 or above

Free Electives: 16

Total Hours: 120

Computer Science Minor

Required Courses

To earn a minor in computer science, a student must earn a total of 18 hours with a grade of "C" or better in

- CPSC 1724 - Introduction to Computer Science
- CPSC 2120 - Computer Organization and Architecture
- CPSC 2735 - Data Structures
- CPSC 2740 - Software Development
- Three hours in any 3000 or 4000-level CPSC course

Computer Science with Dual Degree in Computer Engineering, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CPSC 1724 - Introduction to Computer Science
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)
- PHYS 1121 - Physics I for PHYS and ENGR

Semester Hours: 16

Second Semester

- ENGR 1200 - Introduction to Engineering
- CPSC 2735 - Data Structures
- MATH 2070 - Calculus II
- ENGL 1020 - English Composition and Literature

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- CPSC 2740 - Software Development
- PHYS 1141 - Physics II for PHYS and ENGR
- MATH 2080 - Calculus III
- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)

Semester Hours: 17

Second Semester

- CPSC 2120 - Computer Organization and Architecture
- PHYS 2530 - Vibrations and Waves
- MATH 2030 - Elementary Linear Algebra
- PHIL 2040 - Logic
- Faith and Society (3)
- The Human Past (3)

Semester Hours: 18

Junior Year

First Semester

- CPSC 3140 - Operating Systems
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- XCOR 3010 - Engaging the Mission
- Free Elective (6)
    - The Examined Life (3)

Semester Hours: 18

Second Semester

- CPSC 3060 - Design and Analysis of Algorithms
- MATH 2530 - Differential Equations

- XCOR 3020 - Engaging Global Issues
- CPSC 3999 - Junior-Level Qualifying Examination
- Free Elective (3)
    - Human Behavior (3)

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (18)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: Computer Science B.S. with Dual Degree in Computer Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, PHYS 1121)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 21

- CPSC 1724 - Introduction to Computer Science
- CPSC 2120 - Computer Organization and Architecture
- CPSC 2735 - Data Structures
- CPSC 2740 - Software Development
- CPSC 3060 - Design and Analysis of Algorithms
- CPSC 3140 - Operating Systems

Required (Mathematics) - Minor: 18

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I

Required (Philosophy): 3

- PHIL 2040 - Logic

Required (Engineering): 3

- ENGR 1200 - Introduction to Engineering

Required (Physics): 8

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves

Free Electives: 9

Electives Engineering School: 18

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Total Hours: 120

Computer Science, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CPSC 1724 - Introduction to Computer Science
- XCOR 1000 - College Experience
- MATH 1070 - Introductory Calculus
    - College Writing (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- CPSC 2735 - Data Structures
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- Free Electives (6)

Semester Hours: 17

Sophomore Year

First Semester

- MATH 2030 - Elementary Linear Algebra
    - Faith and Society (3)
    - The Examined Life (3)
- Free Elective (6)

Semester Hours: 15

Second Semester

- CPSC 2740 - Software Development
- CPSC 2120 - Computer Organization and Architecture
- PHIL 2040 - Logic
    - The Human Past (3)
- Free Elective (3)

Semester Hours: 15

Junior Year

First Semester

- CPSC 3140 - Operating Systems
- CPSC 3710 - Databases, Introduction to information models and systems
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- STAT 2010 - Statistical Methods I
    - Creative Expression and Engagement (3)

Semester Hours: 15

Second Semester

- CPSC 3060 - Design and Analysis of Algorithms
- STAT 2021 - Statistical Methods II
- African American Heritage and Legacies (3)
    - Scientific Reasoning (3)
- Free Electives (3)

Semester Hours: 16

Senior Year

First Semester

- CPSC 4800 - Capstone Project I
- CPSC Elective (CPSC 3000+) (3)
- XCOR 3010 - Engaging the Mission
- Free Electives (6)
    - Human Behavior (3)

Semester Hours: 16

Second Semester

- CPSC 4805 - Capstone Project II
- CPSC Elective (CPSC 3000+) (3)
- CPSC 4999 - Senior Comprehensives
- CPSC 4999P - Senior Comprehensives Programming
- Free Electives (6)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 14

Summary: Program in Computer Science

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 33

- CPSC 1724 - Introduction to Computer Science
- CPSC 2120 - Computer Organization and Architecture
- CPSC 2735 - Data Structures
- CPSC 2740 - Software Development
- CPSC 3060 - Design and Analysis of Algorithms
- CPSC 3140 - Operating Systems
- CPSC 3710 - Databases, Introduction to information models and systems
- CPSC Elective (6)
- CPSC 4800 - Capstone Project I
- CPSC 4805 - Capstone Project II
- CPSC 4999 - Senior Comprehensives
- CPSC 4999P - Senior Comprehensives Programming

Required (Math): 18*

- MATH 1070 - Introductory Calculus (1*)
- MATH 2030 - Elementary Linear Algebra

- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- STAT 2010 - Statistical Methods I
- STAT 2021 - Statistical Methods II
- MATH Electives (4)

Required (Philosophy): 3

- PHIL 2040 - Logic

Free Electives: 29

Total Hours: 123

*Some hours listed in Core above.

Physics Minor

A minor in physics consists of 18 hours of designated physics courses. There are two possibilities:

1. Students can complete the introductory calculus-based physics sequence (PHYS 1121, PHYS 1141, and PHYS 2530) and six hours of any combination of upper-level physics courses (upper level courses include PHYS 2630 as well as any 3000 and above courses); or
2. Students can complete the introductory non-calculus based sequence (PHYS 2010 and PHYS 2010L and PHYS 2020 and PHYS 2020L) and 10 hours of upper-level courses from the following: PHYS 2530, PHYS 3040, PHYS 3050, PHYS 3310L, PHYS 3320L, PHYS 3510S, PHYS 3520S, PHYS 3060, PHYS 4530 and PHYS 4540 (please note that Physics 4530 requires the permission of the instructor). Other upper-level courses may be possible with permission of the Department Head and the instructor and the proper prerequisites.

Physics with Dual Degree in Civil Engineering, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended CHEM 1110/1110D-CHEM 1120/1120D sequence. Note that a student's chemistry courses must all be in one of the sequences.

Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- ENGR 1061 - Modern Engineering Graphics
- MATH 2080 - Calculus III
    - Examined Life (3)
- Human Behavior (3)

Semester Hours: 17

Second Semester

- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or

- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- MATH 2030 - Elementary Linear Algebra
    - Human Past (3)
    - Faith and Society (3)
    - African American Heritage and Legacies (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS or ENGR Electives (3)
- ENGR 2210 - Mechanics-Statics
- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
    - Creative Expression and Engagement (3)
- XCOR 3010 - Engaging the Mission
- Capstone (3)*

Semester Hours: 18

Second Semester

- ENGR 2630 - Analytical Methods for Physics and Engineering
- ENGR 2020 - Mechanics-Dynamics
- PHYS or ENGR Electives (3)
- MATH 2530 - Differential Equations
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.A. Program in Physics with Dual Degree in Civil Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
  - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
  - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3, PHYS 1121)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 3050 - Modern Physics

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS or ENGR electives (6)
- ENGR 1200 - Introduction to Engineering
- ENGR 1061 - Modern Engineering Graphics
- ENGR 2020 - Mechanics-Dynamics

- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

(Pending Academic Council approval)

Electives (Engineering School): 20

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Total Hours: 120

Physics with Dual Degree in Civil Engineering, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended CHEM 1110/1110D-CHEM 1120/1120D sequence. Note that a student's chemistry courses must all be in one of the sequences.

Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- ENGR 1061 - Modern Engineering Graphics
- MATH 2080 - Calculus III
    - Examined Life (3)
- Human Behavior (3)

Semester Hours: 17

Second Semester

- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar

or

- PHYS 3520S - Physics and Engineering Seminar

- MATH 2030 - Elementary Linear Algebra
    - Human Past (3)
    - Faith and Society (3)
    - African American Heritage and Legacies (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS or ENGR Electives (3)
- ENGR 2210 - Mechanics-Statics
- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
    - Creative Expression and Engagement (3)
- XCOR 3010 - Engaging the Mission
- Capstone (3)*

Semester Hours: 18

Second Semester

- ENGR 2630 - Analytical Methods for Physics and Engineering
- ENGR 2020 - Mechanics-Dynamics
- PHYS or ENGR Electives (3)
- MATH 2530 - Differential Equations
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.S. Program in Physics with Dual Degree in Civil Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
- XCOR 1012 - New Orleans Experience
    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 3050 - Modern Physics

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS or ENGR Electives (6)
- ENGR 1200 - Introduction to Engineering
- ENGR 1061 - Modern Engineering Graphics
- ENGR 2020 - Mechanics-Dynamics
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

Not yet approved by Academic Council

Electives (Engineering School): 20

Must include an Engineering School Capstone course and completion of a Senior Comprehensive exam.

Total Hours: 120

Physics with Dual Degree in Electrical Engineering, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended CHEM 1110/1110D-CHEM 1120/1120D sequence. Note that a student's chemistry courses must all be in one of the sequences.

Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus

- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2510 - Computational Science & Engineering
- MATH 2080 - Calculus III
    - Examined Life (3)
    - Human Behavior (3)

Semester Hours: 17

Second Semester

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS 2530 - Vibrations and Waves
- ENGR 2630 - Analytical Methods for Physics and Engineering
- MATH 2030 - Elementary Linear Algebra
    - Human Past (3)
    - Faith and Society (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS 3010 - Electricity and Magnetism I
- ENGR 2210 - Mechanics-Statics

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
  or
- ENGL 1023H - Introduction to Literature for Honors Students (Advanced Composition and Rhetoric)

- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
- XCOR 3010 - Engaging the Mission
- Capstone (3)*

Semester Hours: 18

Second Semester

- PHYS 3011 - Electricity and Magnetism II
- PHYS or ENGR Electives (3)
  - African American Heritage and Legacies (3)
  - Creative Expression and Engagement (3)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.A. Program in Physics with Dual Degree in Electrical Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or

- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3, PHYS 1121)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS 3010 - Electricity and Magnetism I
- PHYS 3011 - Electricity and Magnetism II
- PHYS 3050 - Modern Physics
- PHYS/ENGR elective (3)
- ENGR 1200 - Introduction to Engineering
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

- PHYS 2510 - Computational Science & Engineering

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

(Pending Academic Council approval)

Electives (Engineering School): 20

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Total Hours: 120

Physics with Dual Degree in Electrical Engineering, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended CHEM 1110/1110D-CHEM 1120/1120D sequence. Note that a student's chemistry courses must all be in one of the sequences.

Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering
- CHEM 1110/1110D - Chemistry I

- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2510 - Computational Science & Engineering
- MATH 2080 - Calculus III
    - Examined Life (3)
    - Human Behavior (3)

Semester Hours: 17

Second Semester

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS 2530 - Vibrations and Waves
- ENGR 2630 - Analytical Methods for Physics and Engineering
- MATH 2030 - Elementary Linear Algebra

    - Human Past (3)
    - Faith and Society (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS 3010 - Electricity and Magnetism I
- ENGR 2210 - Mechanics-Statics

- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
  or
- ENGL 1023H - Introduction to Literature for Honors Students (Advanced Composition and Rhetoric)

- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
- XCOR 3010 - Engaging the Mission
- Capstone (3)*

Semester Hours: 18

Second Semester

- PHYS 3011 - Electricity and Magnetism II
- PHYS or ENGR Electives (3)
    - African American Heritage and Legacies (3)
    - Creative Expression and Engagement (3)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.S. Program in Physics with Dual Degree in Electrical Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2510 - Computational Science & Engineering
- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS 3010 - Electricity and Magnetism I
- PHYS 3011 - Electricity and Magnetism II
- PHYS 3050 - Modern Physics
- PHYS or ENGR Elective (3)
- ENGR 1200 - Introduction to Engineering
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I

- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

(Pending Academic Council approval)

Electives (Engineering School): 20

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Total Hours: 120

Physics with Dual Degree in Environmental Engineering, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

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Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- ENGR 1061 - Modern Engineering Graphics
- MATH 2080 - Calculus III
- Faith and Society (3)
- The Examined Life (3)

Semester Hours: 18

Second Semester

- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- MATH 2030 - Elementary Linear Algebra
- The Human Past (3)
- Human Behavior (3)
- African American Heritage and Legacies (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS or ENGR Electives (3)
- ENGR 2210 - Mechanics-Statics
- MATH 2530 - Differential Equations
- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
- Free Elective (3)
- Capstone (3)*

Semester Hours: 18

Second Semester

- ENGR 2630 - Analytical Methods for Physics and Engineering
- PHYS or ENGR Electives (3)
- ENGR 2020 - Mechanics-Dynamics
- Free Electives (6)

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.A. Program in Physics with Dual Degree in Environmental Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3, PHYS 1121)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 3050 - Modern Physics

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS or ENGR electives (6)
- ENGR 1200 - Introduction to Engineering
- ENGR 1061 - Modern Engineering Graphics
- ENGR 2020 - Mechanics-Dynamics
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II

- CHEM 1121L - Chemistry II Laboratory

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Electives (Engineering School): 20

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Capstone: 3*

(Pending Academic Council approval)

Total Hours: 120

Physics with Dual Degree in Environmental Engineering, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended CHEM 1110/1110D-CHEM 1120/1120D sequence. Note that a student's chemistry courses must all be in one of the sequences.

Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering
- CHEM 1110/1110D - Chemistry I

- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- ENGR 1061 - Modern Engineering Graphics
- MATH 2080 - Calculus III
    - Examined Life (3)
- Human Behavior (3)

Semester Hours: 17

Second Semester

- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- MATH 2030 - Elementary Linear Algebra

    - Human Past (3)
    - Faith and Society (3)
    - African American Heritage and Legacies (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS or ENGR Electives (3)
- ENGR 2210 - Mechanics-Statics
- MATH 2530 - Differential Equations
- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
- Free Elective (3)
- Capstone (3)*
- XCOR 3010 - Engaging the Mission

Semester Hours: 18

Second Semester

- ENGR 2020 - Mechanics-Dynamics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- PHYS or ENGR Electives (3)
- Free Electives (6)
- XCOR 3020 - Engaging Global Issues
    - Creative Expression and Engagement (3)

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.S. Program in Physics with Dual Degree in Environmental Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 3050 - Modern Physics

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS or ENGR Electives (6)
- ENGR 1200 - Introduction to Engineering
- ENGR 1061 - Modern Engineering Graphics
- ENGR 2020 - Mechanics-Dynamics
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory

- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

Not approved by Academic Council yet.

Electives (Engineering School): 20

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Total Hours: 120

Physics with Dual Degree in Mechanical Engineering, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended CHEM 1110/1110D-CHEM 1120/1120D sequence. Note that a student's chemistry courses must all be in one of the sequences.

Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering

- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- ENGR 1061 - Modern Engineering Graphics
- MATH 2080 - Calculus III
    - Examined Life (3)
- Human Behavior (3)

Semester Hours: 17

Second Semester

- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- MATH 2030 - Elementary Linear Algebra
    - Human Past (3)
    - Faith and Society (3)
    - African American Heritage and Legacies (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS or ENGR Electives (3)
- ENGR 2210 - Mechanics-Statics
- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
    - Creative Expression and Engagement (3)
- XCOR 3010 - Engaging the Mission
- Capstone (3)*

Semester Hours: 18

Second Semester

- ENGR 2630 - Analytical Methods for Physics and Engineering
- ENGR 2020 - Mechanics-Dynamics
- PHYS or ENGR Electives (3)
- MATH 2530 - Differential Equations
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.A. Program in Physics with Dual Degree in Mechanical Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Rhetoric and Composition (3, ENGL 1020)

    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3, PHYS 1121)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 3050 - Modern Physics

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS or ENGR electives (6)
- ENGR 1200 - Introduction to Engineering
- ENGR 1061 - Modern Engineering Graphics
- ENGR 2020 - Mechanics-Dynamics
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory

- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Electives (Engineering School): 20

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Capstone: 3*

(Pending Academic Council approval)

Total Hours: 120

Physics with Dual Degree in Mechanical Engineering, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Programs in Engineering

The Department of Physics and Computer Science supports the Dual Degree Engineering Programs in Civil Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering that are detailed in the following pages. For more information regarding Dual Degree Engineering Programs, students should consult with the Director of Dual Degree Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

All programs require taking the CHEM 1110/1110D-CHEM 1120/1120D sequence, however the CHEM 1010/1010D-CHEM 1020/1020D sequence may be substituted if a scheduling conflict does not permit taking the recommended CHEM 1110/1110D-CHEM 1120/1120D sequence. Note that a student's chemistry courses must all be in one of the sequences.

Students have the option of pursuing a B.S. degree in physics rather than a B.A. degree. A student who wishes to receive the B.S. degree must satisfy the requirements for the B.A. degree and in addition take three PHYS courses from the following list: PHYS 3010, PHYS 3011, PHYS 3020, PHYS 3040, and PHYS 4050. None of the three courses can be a course that is already required for the B.A. degree or that has already been counted as a physics elective.

Freshman Year

First Semester

- ENGR 1200 - Introduction to Engineering

- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 15

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- ENGR 1061 - Modern Engineering Graphics
- MATH 2080 - Calculus III
    - Examined Life (3)
- Human Behavior (3)

Semester Hours: 17

Second Semester

- PHYS 2530 - Vibrations and Waves

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- MATH 2030 - Elementary Linear Algebra
    - Human Past (3)
    - Faith and Society (3)
    - African American Heritage and Legacies (3)

Semester Hours: 17

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS or ENGR Electives (3)
- ENGR 2210 - Mechanics-Statics
- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
    - Creative Expression and Engagement (3)
- XCOR 3010 - Engaging the Mission
- Capstone (3)*

Semester Hours: 18

Second Semester

- ENGR 2630 - Analytical Methods for Physics and Engineering
- ENGR 2020 - Mechanics-Dynamics
- PHYS or ENGR Electives (3)
- MATH 2530 - Differential Equations
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Taken at Engineering School

- ENGR Electives (20)
- Capstone Course (0)
- Senior Comprehensive Exam (0)

Summary: B.S. Program in Physics with Dual Degree in Mechanical Engineering

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 42

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 3050 - Modern Physics

- PHYS 3310L - Advanced Laboratory
  or
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS or ENGR Electives (6)
- ENGR 1000 - Introduction to Engineering
- ENGR 1061 - Modern Engineering Graphics
- ENGR 2020 - Mechanics-Dynamics
- ENGR 2210 - Mechanics-Statics
- ENGR 2630 - Analytical Methods for Physics and Engineering
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II

- CHEM 1121L - Chemistry II Laboratory

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

Not approved by Academic Council.

Electives (Engineering School): 20

Must include an engineering school capstone course and completion of a senior comprehensive exam.

Total Hours: 120

Physics, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory

- MATH 1070 - Introductory Calculus
  or
- MATH 1070H - Introductory Calculus Honors

- XCOR 1000 - College Experience
  - College Writing (3)

Semester Hours: 12

Second Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- CHEM 1120/1120D - Chemistry II

- CHEM 1121L - Chemistry II Laboratory

- MATH 2070 - Calculus II
  or
- MATH 2070H - Calculus II Honors

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- MATH 2080 - Calculus III
    - The Examined Life (3)
- Advanced Composition and Rhetoric (3, ENGL 1020 /ENGL 1023H)
- CPSC Elective (PHYS 2510)

Semester Hours: 17

Second Semester

- MATH 2030 - Elementary Linear Algebra
    - The Human Past (3)
    - Faith and Society (3)
- Free Elective (3)

Semester Hours: 15

Junior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS 3310L - Advanced Laboratory
- Free Electives (6)
    - Human Behavior (3)
    - Creative Expression and Engagement (3)

Semester Hours: 16

Second Semester

- MATH 2530 - Differential Equations

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

    - African American Heritage and Legacies (3)
- Free Electives (8)

Semester Hours: 15

Senior Year

First Semester

- PHYS 4999 - Senior Comprehensives
- XCOR 3010 - Engaging the Mission
- Free Electives (9)
- Capstone (3)*

Semester Hours: 15

Second Semester

- PHYS 3210 - Mechanics-Statics
- PHYS 3000-level Elective (3)
- PHYS 3320L - Advanced Laboratory
- XCOR 3020 - Engaging Global Issues
- Free Electives (5)

Semester Hours: 15

The B.A. Program in Physics contains thirty-one (31) semester hours of free electives. With the assistance of his or her advisor, the student may appropriately choose those elective courses that will strengthen preparation for careers in such areas as business, law, medicine, etc.

* Capstone (pending approval of the Academic Council)

Summary: B.A. Program in Physics

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Composition and Rhetoric (3, ENGL 1020/ENGL 1023H)
    - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, PHYS 1121)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 31

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 3050 - Modern Physics
- PHYS 3210 - Mechanics-Statics
- PHYS 3310L - Advanced Laboratory
- PHYS 3320L - Advanced Laboratory
- PHYS 3510S - Physics and Engineering Seminar (or PHYS 3520S)
- PHYS 3000-level or higher elective (3)
- PHYS 4999 - Senior Comprehensives
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- CPSC Elective (3, PHYS 2510 recommended)

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra
- MATH 2070 - Calculus II

- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

(pending approval of the Academic Council)

Free Electives: 31

Total Hours: 120

Physics, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- PHYS 1121 - Physics I for PHYS and ENGR
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1110/1110D - Chemistry I
- MATH 1070 - Introductory Calculus
- XCOR 1000 - College Experience
    - College Writing (3)

Semester Hours: 16

Second Semester

- PHYS 1141 - Physics II for PHYS and ENGR
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- MATH 2070 - Calculus II

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- MATH 2030 - Elementary Linear Algebra
- PHYS 2530 - Vibrations and Waves
- MATH 2080 - Calculus III
- ENGL 1020 - English Composition and Literature (Advanced Composition and Rhetoric)
    - The Examined Life (3)

Semester Hours: 16

Second Semester

- PHYS 2630 - Analytical Methods for Physics and Engineering
- MATH 2530 - Differential Equations
- CPSC Elective (3)
    - The Human Past (3)
    - Faith and Society (3)

Semester Hours: 15

Junior Year

First Semester

- PHYS 3010 - Electricity and Magnetism I
- PHYS 3210 - Mechanics-Statics
- PHYS 3310L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.
    - Human Behavior (3)
    - Creative Expression and Engagement (3)
- PHYS 3520S - Physics and Engineering Seminar

Semester Hours: 14

Second Semester

- PHYS 3011 - Electricity and Magnetism II
- PHYS 3020 - Mechanics-Dynamics
- PHYS 3040 - Thermodynamics
- PHYS 3320L - Advanced Laboratory
    - African American Heritage and Legacies (3)

- Free Elective (3)

Semester Hours: 16

Senior Year

First Semester

- PHYS 3050 - Modern Physics
- PHYS 4200 - Physics Projects
- PHYS 4530 - Special Topics
- XCOR 3010 - Engaging the Mission
- Free Elective (1)
- Capstone (3)*

Semester Hours: 14

Second Semester

- PHYS 4050 - Quantum Physics
- PHYS 4210 - Physics Projects
- PHYS 4540 - Special Topics
- PHYS 4999 - Senior Comprehensives
- XCOR 3020 - Engaging Global Issues
- Free Elective (3)

Semester Hours: 14

Summary: B.S. Program in Physics

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - College Writing (3)
- Advanced Composition and Rhetoric (3, ENGL 1020)
  - Quantitative Reasoning (3, MATH 1070)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- The Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- The Human Past (3)
- Scientific Reasoning (3, PHYS 1121)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues

Major: 58

- PHYS 1121 - Physics I for PHYS and ENGR (1 of 4)
- PHYS 1141 - Physics II for PHYS and ENGR
- PHYS 2530 - Vibrations and Waves
- PHYS 2630 - Analytical Methods for Physics and Engineering
- PHYS 3010 - Electricity and Magnetism I
- PHYS 3011 - Electricity and Magnetism II
- PHYS 3020 - Mechanics-Dynamics
- PHYS 3040 - Thermodynamics
- PHYS 3050 - Modern Physics
- PHYS 3210 - Mechanics-Statics
- PHYS 3310L - Advanced Laboratory
- PHYS 3320L - Advanced Laboratory

- PHYS 3510S - Physics and Engineering Seminar
  or
- PHYS 3520S - Physics and Engineering Seminar

- PHYS 4050 - Quantum Physics
- PHYS 4200 - Physics Projects
- PHYS 4210 - Physics Projects
- PHYS 4530 - Special Topics
- PHYS 4999 - Senior Comprehensives
- CHEM 1110/1110D - Chemistry I
- CHEM 1111L - Chemistry I Laboratory
- CHEM 1120/1120D - Chemistry II
- CHEM 1121L - Chemistry II Laboratory
- CPSC Elective (3, PHYS 2510 recommended)

Required (MATH): 15

- MATH 1070 - Introductory Calculus (1 of 4)
- MATH 2030 - Elementary Linear Algebra

- MATH 2070 - Calculus II
- MATH 2080 - Calculus III
- MATH 2530 - Differential Equations

Capstone: 3*

(Pending approval of the Academic Council)

Free Electives: 7

Total Hours: 120

Division of Social and Behavioral Sciences

Division of Social and Behavioral Sciences

Xavier's Division of Social and Behavioral Sciences (DSBS) joins four departments into a dynamic and innovative center for the study of people as social beings- their communication, organization, development, identification, and struggles. Coming from Psychology, Political Science, Sociology, and Mass Communication, DSBS disciplines employ distinct methods and theories to study the lived, imagined, differentiated, emotional, behavioral, historical, and segmented forms and contexts of human social behavior. Students choosing a DSBS major tend to enjoy working with some combination of people, data, and ideas, and they enjoy learning beyond the confines of books and classrooms.

The Division of Social and Behavioral Sciences contributes to Xavier's mission through longstanding, shared commitments and approaches to teaching social and behavioral sciences. Despite distinct disciplinary approaches, several core values are shared: commitment to social justice, student success, community engagement, and hands-on learning. With small classes, flexible majors, and a multitude of classroom formats, students are trained in intimate, hands-on settings that open the world and leave the traditional classroom behind.

The Division's abiding commitments to social justice, student success, community engagement, and hands-on learning are the foundation for Xavier's tradition of excellence in social and behavioral research and instruction. Faculty members have authored dozens of books and scores of articles. They compete successfully for grants from major scientific communities such as NSF and NIH. They hold leadership positions in professional organizations and serve as advisors to social service and civic agencies in New Orleans. The departments also send inordinate numbers of students into graduate and professional school each year. DSBS alumni are elected leaders, local TV personalities, professors, lawyers, psychologists, teachers, social workers, and civic leaders. Learn more about the people who make up DSBS at: https://www.xula.edu/division?id=social_and_behavioral_sciences.

Degree options are listed below. Within these programs, students have varied interests and intended career paths such as: law, public health, counseling, social work, broadcasting and reporting, criminal justice, clinical psychology, public relations, public administration, environmental protection, business, education, public policy, health care, human resources, labor organizing, community development, public opinion research, international development, diplomacy, marketing, or urban and regional planning (to name a few).

B.A. in Mass Communication-Multimedia Concentration
B.A. in Mass Communication -Strategic Communication/ Public Relations Concentration
B.S. in Neuroscience
B.A. in Political Science - Accelerated Pre-Law Program
B.A. in Political Science
B.S. in Premedical Psychology
B.S. in Psychological Science
B.A. in Sociology
B.A. in Sociology - Crime & Social Justice Concentration
B.A. in Sociology - Health, Medicine & Society Concentration

Department of Mass Communication

Division of Social and Behavioral Sciences

Xavier South Suite 570 (504) 520-5092 https://www.xula.edu/department?id=mass_communication_e57cd3e

Xavier's Department of Mass Communication is a distinguished and expansive part of the University's academic profile that provides opportunities to study in two different areas of Mass Communication: Multimedia and Strategic Communication/Public Relations. Students receive practical experience in addition to a theoretical foundation. Dedicated and engaged faculty help prepare students for employment in various fields of Mass Communication and for success in graduate and professional schools. Students can major or minor in Mass Communication. While each concentration has its own goals, the Department has established a common mission to:

- prepare students to become effective and ethical mass communication professionals in a diverse and global society;
- train students in problem solving and higher-level critical thinking skills;
- amplify students' proficiency in the discipline and industry languages of the mass communication profession; and
- prepare students to become competitively marketable practitioners or proficient in professional/graduate school.

Learning Outcomes

In addition to satisfying the department's mission, the Mass Communication (MSCM) major is designed to:

- develop students who have the flexibility and adaptability to compete in a changing job market;
- develop students who demonstrate responsible, ethical attitudes toward the role of media and toward media professions, and
- prepare students to ultimately move into management and leadership positions in the media.

Hands-on Training

The Department houses several student-run media outlets including Xavier Television (XTV), Xavier Web Radio (XRadio/Da Stoop), Xavier Newsmagazine (Xcel), and for the University, Xavier Herald Newspaper and Xavier Sports Broadcasting (XSB). The Department also sponsors two nationally recognized student professional associations in mass communication - the National Association of Black Journalists (NABJ) and the Public Relations Student Society of America (PRSSA). In addition, the Department offers students a myriad of opportunities in service learning and undergraduate research via Xavier's Annual Festival of Scholars and XULAneXUS -Xavier's Online Undergraduate Scholarly Journal. All MSCM student media outlets and organizations are open to participation to all Xavier students. These groups provide students with opportunities to strengthen leadership, writing, speaking and production skills outside of the classroom.

Practicum classes that provide students in-house opportunities to understand a segment of the Mass Communication industry are available for academic credit for majors and non-majors in all concentrations. Additionally, the Department has a structured and closely monitored Internship Program for credit that matches Xavier majors with first-rate industry practitioners in the city of New Orleans, throughout the United States, and abroad.

The University mandates that all majors attend all departmental meetings in order to keep abreast of changes within the University, the Department, and the student's discipline of study. The Department of Mass Communication takes this directive very seriously and strongly encourages all of its majors to comply.

Concentrations in Mass Communication

Mass Communication majors take Mass Communication core courses during their freshman and sophomore years. At the end of the spring semester in the sophomore year, each major must declare an area of concentration: broadcasting or strategic communication/public relations. Students will follow the program for their area of concentration until they complete the major.

Bachelor of Arts

Mass Communication - Multimedia Concentration, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Major in Mass Communication

For degree credit, Department majors must earn a "C" or better in all of their required major courses. Mass Communication also requires majors to earn a "C" or better in the English essential core courses. Mass Communication majors are also required to pass a comprehensive examination as part of the requirement for graduation. Any student who has to repeat more than two required courses in the major, because of a grade of "D" or "F," will be advised to change his/her major.

Concentrations in Mass Communication

Mass Communication majors choose an area of concentration: multimedia or strategic communication/public relations. Students will follow the program for their area of concentration until they complete the major.

Freshman Year

First Semester

- MSCM 1100 - Introduction to Mass Communication
- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)
    - Creative Expression and Engagement (3)
- Free Elective (2)

Semester Hours: 15

Second Semester

- XCOR 1011 - Xavier Experience
  or
- MSCM 2222 - Introduction to Converged Media Writing.

- XCOR 1012 - New Orleans Experience

    - Advanced Rhetoric and Composition (3)
- Free Elective (3)
- MSCM 2950 - Radio and Television Announcing (Concentration 1)

Semester Hours: 15

Sophomore Year

First Semester

- MSCM 2500 - Intermediate Converged Media Writing
- MSCM 2030 - Principles of Strategic Communication
    - Scientific Reasoning (3)
- Minor (3)
- MSCM Elective (3)

Semester Hours: 15

Second Semester

- MSCM 2600 - Advanced Converged Media Writing
- Minor (3)
- Multimedia Concentration Elective (3)
- Human Behavior (3)
    - African American Heritage and Legacies (3)

Semester Hours: 15

Junior Year

First Semester

- XCOR 3010 - Engaging the Mission
- MSCM 3500 - Media Criticism
- Free Elective (3)
- Minor (3)
- Multimedia Concentration Elective (3)

Semester Hours: 15

Second Semester

- MSCM 3600 - Introduction to Mass Communication Research
- MSCM EXP Elective (3)
- Minor (3)
- MSCM 4410 - Internship
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Senior Year

First Semester

- MSCM 4430 - Media Law and Ethics
- MSCM Elective (3)
- MSCM 4999 - Senior Comprehensives
- Human Past (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- MSCM EXP Elective (3)
- Minor (3)
- Senior Capstone (0)
- Examined Life (3)
- Faith and Society (3)
- Free Elective (3)

Semester Hours: 15

Multimedia Concentration Electives

- MSCM 2540 - Storytelling Through Digital Editing
- MSCM 3190 - Fundamentals of Broadcasting
- MSCM 4020 - Broadcast Programming and Production
- MSCM 3210 - TV News Gathering and Reporting
- MSCM 2400 - Social Media
- MSCM 4520 - Seminar in Mass Communication
- Other courses with special approval

Mass Communication Major Electives

- MSCM 1300 - Sports Broadcasting I - Beginning
- MSCM 2300 - Sports Broadcasting II-Advanced
- MSCM 2530 - Fundamentals of Audio Production
- MSCM 2580 - Film Appreciation
- MSCM 3333 - Women and Media
- MSCM 3831 - History of American Mass Media
- MSCM 4010 - Producing Television Newscasts
- MSCM 4131 - Independent Study
- MSCM 3700 - Environmental Communications

Summary: Program in Mass Communication with Multimedia Concentration

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 42

- MSCM 1100 - Introduction to Mass Communication
- MSCM 2030 - Principles of Strategic Communication
- MSCM 2222 - Introduction to Converged Media Writing.
- MSCM 2500 - Intermediate Converged Media Writing
- MSCM 2600 - Advanced Converged Media Writing
- MSCM 3500 - Media Criticism
- MSCM 3600 - Introduction to Mass Communication Research
- MSCM Elective (6)
- Multimedia Concentration Elective (9) (Note: MSCM 2950 Radio and Television Announcing required)
- MSCM 4410 - Internship or Practicum (3)
- MSCM 4430 - Media Law and Ethics
- MSCM 4999 - Senior Comprehensives

Minor: 18

MSCM Expansive: 6

Free Electives: 14

Total Hours: 120

Mass Communication - Strategic Communication/Public Relations Concentration, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Major in Mass Communication

For degree credit, Department majors must earn a "C" or better in all of their required major courses. Mass Communication also requires majors to earn a "C" or better in the English essential core courses. Mass Communication majors are also required to pass a comprehensive examination as part of the requirement for graduation. Any student who has to repeat more than two required courses in the major, because of a grade of "D" or "F," will be advised to change his/her major.

Concentrations in Mass Communication

Mass Communication majors choose an area of concentration: multimedia or strategic communication/public relations. Students will follow the program for their area of concentration until they complete the major.

Freshman Year

First Semester

- MSCM 1100 - Introduction to Mass Communication
- XCOR 1000 - College Experience
    - College Writing (3)
    - Quantitative Reasoning (3)
    - Creative Expression and Engagement (3)
- Free Elective (2)

Semester Hours: 15

Second Semester

- MSCM 2222 - Introduction to Converged Media Writing.

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Rhetoric and Composition (3)
- Free Elective (3)

- Strat Comm Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- MSCM 2030 - Principles of Strategic Communication
- MSCM 2500 - Intermediate Converged Media Writing
    - Scientific Reasoning (3)
- Minor (3)
- MSCM Elective (3)

Semester Hours: 15

Second Semester

- MSCM 2600 - Advanced Converged Media Writing
- Minor (3)
- Strat Comm Elective (3)
    - Human Behavior (3)
    - African American Heritage and Legacies (3)

Semester Hours: 15

Junior Year

First Semester

- MSCM 3500 - Media Criticism
- XCOR 3010 - Engaging the Mission
- Minor (3)
- MSCM EXP Elective (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- MSCM 4410 - Internship
- MSCM 3600 - Introduction to Mass Communication Research
- XCOR 3020 - Engaging Global Issues
- Minor (3)

- MSCM 4060 - Strategic Communication Campaigns (Strat Comm Elective (3))

Semester Hours: 15

Senior Year

First Semester

- MSCM 4430 - Media Law and Ethics
- MSCM 4999 - Senior Comprehensives
- Minor (3)
- MSCM Elective (3)
    - Human Past (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- MSCM EXP Elective (3)
- Minor (3)
- Senior Capstone (0)
- Examined Life (3)
- Faith and Society (3)
- Free Elective (3)

Semester Hours: 15

Strategic Communication/Public Relations Concentration Electives
Multimedia Concentration Electives

- MSCM 3060 - Strategic Communication Problems
- MSCM 4200 - Advanced Strategic Communications
- MSCM 2400 - Social Media
- MSCM 4520 - Seminar in Mass Communication
- Other courses with special approval

Mass Communication Major Electives

- MSCM 1300 - Sports Broadcasting I - Beginning
- MSCM 2300 - Sports Broadcasting II-Advanced
- MSCM 2530 - Fundamentals of Audio Production
- MSCM 2580 - Film Appreciation
- MSCM 3333 - Women and Media
- MSCM 3831 - History of American Mass Media

- MSCM 4010 - Producing Television Newscasts
- MSCM 4131 - Independent Study
- MSCM 3700 - Environmental Communications

Summary: Program in Mass Communication with Strategic Communication/Public Relations Concentration

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 42

- MSCM 1100 - Introduction to Mass Communication
- MSCM 2030 - Principles of Strategic Communication
- MSCM 2222 - Introduction to Converged Media Writing.
- MSCM 2500 - Intermediate Converged Media Writing
- MSCM 2600 - Advanced Converged Media Writing
- MSCM 3500 - Media Criticism
- MSCM 3600 - Introduction to Mass Communication Research
- MSCM 4410 - Internship or Practicum (3)
- MSCM 4430 - Media Law and Ethics

- MSCM 4999 - Senior Comprehensives
- MSCM Elective (6)
- MSCM Concentration Elective (9) (MSCM 4060 Strategic Communication Campaigns required)

Minor: 18

Mass Comm Expansive: 6

Free Electives: 14

Total Hours: 120

Non-degree

Mass Communication Minor

Required Courses

This minor in Mass Communication consists of 18 hours of coursework including:

- MSCM 1100 - Introduction to Mass Communication
- MSCM 2030 - Principles of Strategic Communication
- MSCM 2222 - Introduction to Converged Media Writing.
- Nine hours of electives that can be chosen among the MSCM courses.

Department of Political Science

Division of Social and Behavioral Sciences

XU South 565 - (504) 520-5071 - https://www.xula.edu/department?id=political_science_286abfd

The Political Science program is designed for students who aspire to active leadership roles in promoting a more just and humane global society. Completing the political science major will: 1) increase student competence in the understanding of the principles of government and political thought; 2) develop student awareness and understanding of global political and economic issues; 3) enhance student skills in statistical research and quantitative analysis; 4) maximize student abilities to read critically, speak effectively, write clearly and think analytically; and, 5) facilitate student abilities to apply moral and ethical analysis to political issues.

The Political Science program is designed to prepare students for a variety of career opportunities in the local, national, and global political arena. The educational outcomes and career orientations students can expect to pursue are: 1) graduate study in political science, public administration, political economy, international and public affairs, urban planning, or other social science sub-fields; 2) professional study in law, mass communication, social work, management, or other public service; 3) employment with government or non-profit organizations; 4) foreign service; 5) partisan political activity; 6) classroom teaching and educational administration; and 7) grassroots organization within the African American community.

Students are exposed to a variety of activities including seminars, guest speakers, field trips, internships, and conference presentations as well as social and professional club activities. Besides meeting the required credit hours for the major, minor, core curriculum, and free electives, students must pass a comprehensive examination. In order for a departmental offering to be counted for credit in the major or minor, a student must earn a grade of "C" or better.

Requirements for the major in Political Science include 39 hours of Political Science courses. Of these, the following courses are required: PSCI 1010, PSCI 1020, PSCI 2010, PSCI 2040, PSCI 2050, PSCI 2511, PSCI 3010, PSCI 3250, and PSCI 4100. Only three of the 39 hours may be taken as elective hours in independent study courses and internships (i.e. PSCI 4913, PSCI 4953, PSCI 4963).

Majors and minors have the flexibility to acquire concentrations in the following areas:

AMERICAN NATIONAL INSTITUTIONS:

PSCI 2050, PSCI 2120, PSCI 3100, PSCI 3360, PSCI 3460 and PSCI 4953

INTERNATIONAL AFFAIRS:

PSCI 2040, PSCI 3010, PSCI 3240, PSCI 4100, PSCI 4640, and PSCI 4953

PUBLIC LAW:

PSCI 2060, PSCI 2100, PSCI 2120, PSCI 3100, PSCI 3110, PSCI 3133 and PSCI 4963

URBAN POLITICS:

PSCI 2440, PSCI 3360, PSCI 3400, PSCI 4953, and PADM 4953

Bachelor of Arts

Political Science Accelerated "Pre-Law", B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

The Political Science Department offers an accelerated "pre-law" program for political science majors and other interested students. Students complete a three-year liberal arts education program at Xavier (105 hours). In their senior year, students enroll at an American Bar Association accredited law school. After successfully completing 15 hours at law school, the student receives a B.A. degree from Xavier.

To participate in the program, a student must maintain a cumulative average of 3.0 and register with the Pre-Law Advisor throughout his/her three years at Xavier. The proposed course of study and transfer hours must be approved by the department. A student's minor should be any subject which 1) develops analytical skills, 2) develops writing skills, and/or 3) relates to the student's proposed law specialty. For example, another social science discipline, History, English, Philosophy, Business Administration, Mathematics, a physical science, foreign language, Computer Science, or Public Administration may be selected as a minor. The student should delay taking electives in the major to be eligible for the accelerated program.

The program does not assure a student's entry into law school. Admission to an accredited law school is the responsibility of the student. Several law schools in the United States allow admission to the exceptional student without an undergraduate degree. The student interested in Pre-Law should see the Pre-Law Advisor at his or her first Xavier registration.

Freshman Year

First Semester

- PSCI 1010 - Introduction to Political Science
- PSCI 1020 - American Government
- XCOR 1000 - College Experience
    - College Writing (3)
    - Human Past (3)
    - African American Heritage and Legacies (3)
- Free Elective (2)

Semester Hours: 18

Second Semester

- PSCI 2050 - Introduction to Public Policy and Administration
    - Creative Expression and Engagement (3)
    - Quantitative Reasoning (3)
- Minor (3)
- Free Elective (3)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 18

Sophomore Year

First Semester

- PSCI 2010 - Research Methods
- PSCI 2040 - International Relations
    - Advanced Rhetoric and Composition (3)
    - Examined Life (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 18

Second Semester

- PSCI 2511 - Quantitative Analysis
- PSCI 3010 - Comparative Politics
    - Scientific Reasoning (3)
    - Faith and Society (3)

- Minor (3)
- Free Elective (3)

Semester Hours: 18

Junior Year

First Semester

- PSCI 3250 - Introduction to Political Thought
- PSCI 4100 - International Political Economy
- XCOR 3010 - Engaging the Mission
- Minor (6)
- Free Elective (3)

Semester Hours: 18

Second Semester

- XCOR 3020 - Engaging Global Issues
    - Human Behavior (3, ECON)
- Minor (3)
- Free Electives (6)
- PSCI 4999 - Political Science Senior Capstone Experience

Semester Hours: 15

Credits Accepted from Law School:

Towards Political Science Major	15	(such as Con. Law, Criminal Law, Jurisprudence, and Legal System)
Total	15	

Summary: Political Science Accelerated "Pre-Law" Program

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - College Writing (3)
    - Advanced Rhetoric and Composition (3)

- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 27

- PSCI 1010 - Introduction to Political Science
- PSCI 1020 - American Government
- PSCI 2010 - Research Methods
- PSCI 2040 - International Relations
- PSCI 2050 - Introduction to Public Policy and Administration
- PSCI 2511 - Quantitative Analysis
- PSCI 3010 - Comparative Politics
- PSCI 3250 - Introduction to Political Thought
- PSCI 4100 - International Political Economy

Minor: 18

Free Electives: 20

Total Hours: 120

Political Science, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Freshman Year

First Semester

- PSCI 1010 - Introduction to Political Science
- PSCI 1020 - American Government
- XCOR 1000 - College Experience
    - College Writing (3)
    - Human Past (3)
- Free Elective (2)

Semester Hours: 15

Second Semester

- PSCI 2050 - Introduction to Public Policy and Administration
    - Creative Expression and Engagement (3)
- Free Elective (3)
- MATH 1020 - Basic Statistics I (Quantitative Reasoning)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

Semester Hours: 15

Sophomore Year

First Semester

- PSCI 2010 - Research Methods
- PSCI 2040 - International Relations
    - Advanced Rhetoric and Composition (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- PSCI 2511 - Quantitative Analysis
    - Examined Life (3)
    - African American Heritage and Legacies (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Junior Year

First Semester

- PSCI 3250 - Introduction to Political Thought
- XCOR 3010 - Engaging the Mission
- PSCI Elective (6)
- Minor (3)

Semester Hours: 15

Second Semester

- PSCI 3010 - Comparative Politics
- XCOR 3020 - Engaging Global Issues
- Minor (3)
- Free Elective (3)
    - Human Behavior (3)

Semester Hours: 15

Senior Year

First Semester

- PSCI 4100 - International Political Economy
- PSCI Elective (3)
- Minor (3)
    - Scientific Reasoning (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- ECON 2020 - Principles of Macro Economics
- PSCI Elective (3)
- Minor (3)
- Faith and Society (3)
- Free Elective (3)
- PSCI 4999 - Political Science Senior Capstone Experience

Semester Hours: 15

Summary: Program in Political Science

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 42

- PSCI 1010 - Introduction to Political Science
- PSCI 1020 - American Government
- PSCI 2010 - Research Methods
- PSCI 2040 - International Relations
- PSCI 2050 - Introduction to Public Policy and Administration
- PSCI 2511 - Quantitative Analysis
- PSCI 3010 - Comparative Politics
- PSCI 3250 - Introduction to Political Thought
- PSCI 4100 - International Political Economy
- PSCI Electives (12)
- ECON 2020 - Principles of Macro Economics

Minor: 18

Free Electives: 20

Total Hours: 120

Non-degree

International Affairs Minor

The minor in International Affairs prepares students for careers in the international arena. This program of study specifically prepares students for:

1. Careers in government service, particularly the Foreign Service of the United States, the Department of State, or any of the various federal agencies, which function in the international arena;
2. Careers in international business in the private sector; and
3. Careers in the international civil service, serving with intergovernmental organizations, such as the United Nations, as well as with private international nongovernmental organizations.

Required Courses

The Minor in International Affairs requires 18 hours from the following courses:

- PSCI 2040 - International Relations
- PSCI 2060 - International Law and Politics
- PSCI 4050 - African Politics and Government
- PSCI 4100 - International Political Economy
- PSCI 4640 - The Politics of Developing Nations
- PSCI 4953 - Politics (local and international) Internship

Note:

Of these, PSCI 2040, PSCI 4100 and PSCI 4640 are required. The remaining nine hours may be taken as electives from the courses listed above as well as from the other international courses offered in the department, namely PSCI 4953/ PSCI 4956. Further, it is **recommended** that students pursuing a Minor in International Affairs also take a course in Economics, nine (9) credit hours in a foreign language, and participate in a Study Abroad program for at least one semester.

Political Science Minor

Minors must complete 18 hours of political science, including PSCI 1010. No more than three hours may be taken in independent study courses and internships (PSCI 4903, PSCI 4913, PSCI 4953, PSCI 4963). Non-majors must have PSCI 1020 or PSCI 2040 as a prerequisite for advanced courses, but this requirement may be waived by the department head and instructor as necessary.

Pre-Law Minor

The minor in pre-law consists of specialized courses within the Political Science program of study. This minor is available to non-Political Science majors who are considering entrance into the legal profession, including law school, criminal justice programs, public service, and political office.

Required Courses

The Minor in pre-law requires 18 hours from the following courses:

- PSCI 2060 - International Law and Politics
- PSCI 2100 - Law, Politics, and Society
- PSCI 2120 - Judicial Process
- PSCI 3100 - Constitutional Law
- PSCI 3110 - Civil Rights and Civil Liberties
- PSCI 3133 - Mock Trial and Debate
- PSCI 4963 - Legal Internship

Public Administration Minor

The Public Administration minor consists of specialized Public Administration courses within the Political Science program of study. Such a minor can be used to complement majors in fields such as Business, Sociology, Education, History, Communications, Psychology, and allied health fields. Thus it offers majors in the liberal arts and humanities an opportunity to enhance their employability.

Required Courses

The Public Administration minor consists of 18 hours in courses pertaining to public administration, of which are required:

- PADM 2050 - Introduction to Public Policy and Administration
- PADM 3370 - Administrative Behavior

- PADM 3500 - Public Personnel Administration
  or
- PADM 3510 - Public Financial Administration

- PADM 4530S - Public Administration Seminar
- PADM 4953 - Urban Administrative Internship

Note:

In addition, no more than three hours may be taken in independent study courses (such as PADM 4903 or PADM 4913 or PADM 4953/PADM 4956).

Department of Psychology

Division of Social and Behavioral Sciences

Xavier South 500 - (504) 520-7400 - https://www.xula.edu/department?id=psychology_f1abdec

The mission of the Department of Psychology is *to prepare students to critically apply the science of psychology to understand themselves and others in a diverse and dynamic world.*

The Psychology Program strives to provide its students with a thorough foundation in the methodology of contemporary psychology. Students successfully completing the program are awarded the degree of Bachelor of Science and are prepared both for graduate study in psychology and related fields, and for career opportunities in psychology and other areas at the bachelor's

degree level. The Program offers three tracks-Psychological Science, for students pursuing graduate school or careers applying their degree; Psychology Premedical, for students pursuing medical school or graduate training in health fields, or careers in related areas at the bachelor's level; Neuroscience for students pursuing graduate training in neuroscience, medical school or other professional health programs, or careers in related areas at the bachelor's level.

In addition to satisfying the goals of the core curriculum, the programs of study in psychology are designed to:

1. prepare students majoring in psychology or neuroscience for either professional employment or further graduate training; and
2. offer courses to students from other disciplines whose curriculum requires them to take courses in psychology.

Students majoring in psychological science or neuroscience are offered a well-balanced program that has a central core, plus a sufficient degree of flexibility to allow them to explore their interests and to enter a variety of graduate programs and careers at a competitive level. The rigorous preparation of students majoring in psychological science is consistent with the American Psychological Association's Model Curriculum and with the overall University philosophy of academic excellence. The major in psychological science consists of a minimum of 36 semester hours of psychology coursework (33 hours for Psychology Premedical students) with a "C" or better in each course. The major in Neuroscience consists of a minimum of 27 hours of major courses, along with 24 hours of Biology and Chemistry (12 hours in each). A grade of "C" or better is required in all major courses.

It is suggested that Psychological Science and Psychology Premedical majors take the subject (psychology) portion of the Graduate Record Examination (GRE) during the semester BEFORE the one in which they expect to graduate. Psychological Science and Psychology Premedical majors who score better than 560 on the advanced GRE are exempt from taking the Departmental Senior Comprehensives, which consist of intensive examinations across all subject areas in psychology.

Students are expected to acquire and exhibit the following academic and professional characteristics:

1. Mastery of subject matter across the field of psychology and/or neuroscience,
2. Competence in written and oral communication skills,
3. Research design and quantitative reasoning skills,
4. Proficiency in critical thinking about mental and behavioral processes, and
5. Poise, self-confidence, and a commitment to ethics in science.

Psychology Premedical Program

The discipline of psychology, in conjunction with the Premedical program at Xavier University, offers its students an alternative route to careers via medical school or the health professions: the Psychology Premedical Program. This program is recommended for those students who want to major in psychology, but then attend medical school, perhaps in pursuit of a psychiatric degree, or who are interested in graduate programs in Biological Psychology. The program is similar to the psychological science curriculum but more heavily emphasizes the natural sciences. It also requires three (3) fewer hours of psychology than does the psychological science program.

Students who switch from premed to non-premed after completing PSYC 2512 (Advanced Research), for which either MATH 1020 or PSYC 2511 is a prerequisite, may take a different PSYC class in place of PSYC 2511, provided they earned a C or higher in MATH 1020.

Neuroscience Program

The mission of the neuroscience program is for Xavier students to gain understanding and skills relevant to the broad field of neuroscience, including current issues, trends, and questions in the field. Drawing most heavily on the offerings of its home department of psychology, but with additional courses in biology, chemistry, mathematics, and computer science; the program's interdisciplinary curriculum provides students with content knowledge across the field, training students to become future leaders

in the field. Graduates of the program are qualified to work as scientists, to pursue further graduate training in neuroscience or other scientific fields, or to enter training programs for health professionals.

Objectives of the Neuroscience program are to:

- Develop an appreciation for and breadth of knowledge that spans the full range of neuroscience sub disciplines, including developmental, molecular, cellular, systems, behavioral, cognitive, and computational neuroscience.
- Be able to place neuroscience into an ethical context, especially how studying the brain and behavior can contribute to the resolution of ethical, social, and environmental issues.
- Provide students with a sufficient depth of knowledge and abilities to prepare them for entry-level employment in a wide variety of fields, or for graduate study in neuroscience or health-related professions.

Bachelor of Science

Neuroscience, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Required Courses

All Neuroscience majors will be required to complete a total of 27 hours of courses across the disciplines of the field (Psychology, Biology, Chemistry). There are 12 hours of required courses for all majors, including

- PSYC 1010 - Introductory Psychology
- PSYC 2020 - Research Methods
- PSYC 3050 - Physiological Psychology
- NSCI 3300 - Introduction to Neuroscience

Neuroscience/Psychology Electives

Majors are also required to take 9 hours of elective Neuroscience specific courses. Students must take 2 courses from List 1 (PSYC and/or PSYC/NSCI with at least 1 course at or above the 4000-level) and 1 course from List 2 (Biology or Chemistry). These courses include:

List 1

Pick 2 (At least 1 course must be 4020, 4050 or 4085):

- PSYC 2070 - Comparative and Evolutionary Psychology
- PSYC 3100 - Psychology of Learning
- PSYC 4020 - Cognitive Neuroscience
- PSYC 4050 - Drugs and Behavior
- PSYC 4085 - Disorders of the Brain

List 2

Pick 1

- BIOL 3091 - Cell Biology
- BIOL 3091L - Cell Biology Laboratory
- BIOL 3162 - Developmental Biology
- BIOL 3162L - Developmental Biology Laboratory
- BIOL 3350 - Anatomy and Physiology
- BIOL 3350L - Anatomy and Physiology Laboratory (PM)[+]
- BIOL 4111 - Histology
- BIOL 4250 - Molecular Genetics
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory (PM)[+]
- CHEM 3130 - Introduction to Biochemistry (PM)[+]

Quantitative Courses

Students must take 6 hours of Quantitative courses by completing any two of the following courses:

- PSYC 2511 - Psychological Statistics
- CPSC 1710 - Computer Science I
- CPSC 2230 - Introduction to Computational Data Analysis * (recommended to co-register with CPSC 1230)
- CPSC 1230 - Introduction to Scientific Computing * (recommended to co-register with CPSC 2230)
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- STAT 2015 - Biostatistics

Biology and Chemistry Double Concentration Courses

In order to satisfy pre-requisite requirements in Biology and Chemistry, 12 hours of course work in each area must be completed, which will count as a Double Concentration:

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory

Notes

[+]Courses marked (PM) are required for students wishing to fulfill pre-medical requirements for professional health programs

Special Pre-medicine Note: Both General Physics I, plus Lab (PHYS 2010/PHYS 2010L) and General Physics II, plus Lab (PHYS 2020/PHYS 2020L) are required for admittance to medical school.

All Neuroscience majors will need to successfully complete a neuroscience research project, including a relevant literature review, before graduation (NSCI 4999). The research project will incorporate both a written paper and an oral presentation, both to be rated by a Psychology Department rubric.

The principal requirement for the senior comp research project is that it investigates some aspect of nervous system function (the specific component under investigation is up to the student and/or dependent upon the research lab in which the student can gain access). The project can be completed on- or off-campus and planning MUST be initiated by the spring semester of the Junior year (or at least two semesters prior to degree completion).

The student is responsible for fully informing the research mentor of the necessities of the senior comp project, which include:

1. Demonstrate conceptual understanding of a neuroscientific research problem via a full review of relevant literature related to the research question (i.e. **Introduction section of paper and oral report). The review should address the specific model of nervous system anatomy and function as it pertains to the research question.**
2. Demonstrate understanding of the connection of previous literature to the present research question(s) (i.e. **testable research hypotheses**).
3. Demonstrate the communication and application of relevant research methodological techniques necessary for addressing the hypotheses (i.e. **communicating and implemented methods via Methods section**).
4. Demonstrate understanding of appropriate statistical methods for addressing the hypotheses (i.e. **selecting and implementing the correct statistical tests and described accurately in Results section**).
5. Demonstrate overall understanding of how the collected data does or does not support the hypotheses and how the data relates back to previous data as well as future research directions (i.e. **thorough cohesive Discussion section**).

Freshman Year

First Semester

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- PSYC 1010 - Introductory Psychology
- XCOR 1000 - College Experience
    - College Writing (3)
- Free Elective (3)

Total Hours: 14

Second Semester

- PSYC 2020 - Research Methods
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory

- MATH 1030 - Pre-Calculus
  or
- MATH 1070 - Introductory Calculus

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- Advanced Rhetoric and Composition (3)

Total Hours: 17

Sophomore Year

First Semester

- BIOL 3300 - Introduction to Neuroscience
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- PSYC 3050 - Physiological Psychology
    - Faith and Society (3)
- Free Elective (3)

Total Hours: 16

Second Semester

- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
    - African American Heritage and Legacies (3)
- NSCI Quantitative Elective (3)
- Free Electives (6)

Total Hours: 16

Junior Year

First Semester

- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- Free Elective (3)
- BIOL/CHEM Elective (3)

Total Hours: 14

Second Semester

- XCOR 3010 - Engaging the Mission
- Free Elective (3)
- PSYC/NSCI Elective (3)

- Human Past (3)
- Examined Life (3)

Total Hours: 15

Senior Year

First Semester

- NSCI 4999 - Senior Comprehensives
- Free Elective (7)
- NSCI Quantitative Elective (3)
- PSYC/NSCI Elective (3)
- XCOR 3020 - Engaging Global Issues

Total Hours: 16

Second Semester

- Free Elective (9)
- Creative Expression and Engagement (3)

Total Hours: 12

Summary: Program in Neuroscience

Foundations: 14

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (4, MATH 1030/MATH 1070)

Explorations: 18

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)

- Human Behavior (0, PSYC 1010 (counted in major))
- Human Past (3)
- Scientific Reasoning (3, BIOL 1230)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Required Neuroscience Courses: 9

- PSYC 1010 - Introductory Psychology (1 of 3)
- PSYC 2020 - Research Methods
- NSCI 3050 - Physiological Psychology
- NSCI 3300 - Introduction to Neuroscience

Neuroscience/Psychology Elective Courses (2 required): 6

- PSYC 2070 - Comparative and Evolutionary Psychology
- PSYC 3080 - Abnormal Psychology
- PSYC 3100 - Psychology of Learning
- NSCI 4020 - Cognitive Neuroscience
- NSCI 4050 - Drugs and Behavior
- NSCI 4085 - Disorders of the Brain

Biology/Chemistry Elective Courses (1 required): 3

- BIOL 3091 - Cell Biology
- BIOL 3091L - Cell Biology Laboratory
- BIOL 3150 - Virology
- BIOL 3162 - Developmental Biology
- BIOL 3162L - Developmental Biology Laboratory
- BIOL 3350 - Anatomy and Physiology
- BIOL 3350L - Anatomy and Physiology Laboratory
- BIOL 4111 - Histology
- BIOL 4250 - Molecular Genetics
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory [+]
- CHEM 3130 - Introduction to Biochemistry

Quantitative Courses (2 required): 6

- PSYC 2511 - Psychological Statistics
- CPSC 1710 - Computer Science I
- CPSC 1230 - Introduction to Scientific Computing (recommend co-register w/ CPSC 2230)

- CPSC 2230 - Introduction to Computational Data Analysis (recommend co-register w/ CPSC 1230)
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I [#]
- STAT 2015 - Biostatistics [#]

Double Concentration: 21

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- BIOL 1230 - General Biology I (1 of 4 BIOL 1230/BIOL 1230L)
- BIOL 1230L - General Biology I Laboratory
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory

Free Electives: 34

Total Hours: 120

+ Organic Chemistry II w/ lab (CHEM 2220/2220D/CHEM 2240L) is a pre-requisite for Biochemistry (CHEM 3130)

Pre-requisite for both MATH 2550 and STAT 2015 is MATH 1070

Premedical Psychology, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Students will take a minimum of 33 credit hours of psychology, from five different categories of offerings within the Psychology Department:

Category 1: Introduction and Basic Sciences:

All students must take the following three courses (9 hours).

- PSYC 1010 - Introductory Psychology (prerequisite for all courses except 1012)
- PSYC 2020 - Research Methods (prerequisite for 2512)
- PSYC 2512 - Advanced Research (prerequisite for all 3000- & 4000-level courses)

Category 2: Basic Research (Theoretical):

Students must take 9 hours from among the following:

- NSCI 4020 - Cognitive Neuroscience
- PSYC 1012 - Human Development
- PSYC 2070 - Comparative and Evolutionary Psychology
- PSYC 2110 - Human Sexuality
- PSYC 3010 - Social Psychology
- PSYC 3030 - Cognitive Psychology
- PSYC 3050 - Physiological Psychology
- PSYC 3100 - Psychology of Learning
- PSYC 4010 - Theories of Personality
- PSYC 4020 - Cognitive Neuroscience

Category 3: Applied Research and Clinical:

Students must take 9 hours from among the following:

- PSYC 2050 - Health Psychology
- PSYC 2500 - Positive Psychology
- PSYC 3025 - Adult Development and Aging
- PSYC 3045 - Industrial/Organizational Psychology
- PSYC 3080 - Abnormal Psychology
- PSYC 3110 - Psychotherapies
- PSYC 3120 - Tests and Measurements
- PSYC 4050 - Drugs and Behavior
- PSYC 4085 - Disorders of the Brain
- PSYC 4095 - Forensic Psychology
- PSYC 4398 - Fieldwork Practicum I
- PSYC 4399 - Fieldwork Practicum II

Category 4: Special and Advanced Topics:

Students must take 3 hours from among the following:

- PSYC 2080 - Writing in Psychology
- PSYC 3035 - Psychology of Gender
- PSYC 3041 - Black Psychology
- PSYC 3200L - Psychology Laboratory
- PSYC 4000S - Seminar
- PSYC 4030 - Group Dynamics
- PSYC 4060 - Cultural Psychology
- PSYC 4070 - Psychology of Stereotyping and Prejudice
- PSYC 4011 - Independent Study (Offered only as needed)
- PSYC 4012 - Independent Study (Offered only as needed)
- PSYC 4013 - Independent Study (Offered only as needed)

Category 5: Capstone Experience:

Students take 3 hours.

- PSYC 4996 - Historical and Applied Perspectives in Psychology

Freshman Year

First Semester

- PSYC 1010 - Introductory Psychology [1]
- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory

- MATH 1030 - Pre-Calculus
  or
- MATH 1070 - Introductory Calculus

- XCOR 1000 - College Experience
  - College Writing (3)

Semester Hours: 15

Second Semester

- PSYC 2020 - Research Methods
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- MATH 1020 - Basic Statistics I

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

  - Advanced Rhetoric and Composition (3)

Semester Hours: 16

Sophomore Year

First Semester

- PSYC 2512 - Advanced Research
- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
  - Creative Expression and Engagement (3)

Semester Hours: 14

Second Semester

- PSYC Choice (3) *
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- Faith and Society (3)
    - Human Past (3)

Semester Hours: 17

Junior Year

First Semester

- PSYC Choice (3) *
- CHEM 3130 - Introduction to Biochemistry
- BIOL 3110 - Genetics
- BIOL 3110L - Genetics Laboratory
- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory

Semester Hours: 14

Second Semester

- PSYC Choice (3) *
- BIOL 3350 - Anatomy and Physiology
- BIOL 3350L - Anatomy and Physiology Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory
- XCOR 3010 - Engaging the Mission
- African American Heritage and Legacies (3)

Semester Hours: 17

Senior Year

First Semester

- PSYC 4999 - Senior Comprehensives
- XCOR 3020 - Engaging Global Issues
- PSYC (6) ** ***
- Free Elective (3)

Semester Hours: 12

Second Semester

- PSYC (6) ** ***
- PSYC 4996 - Historical and Applied Perspectives in Psychology
    - Examined Life (3)
- Free Elective (3)

Semester Hours: 15

Summary: Program in Premedical Psychology

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3, MATH 1020)

Explorations: 18

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (0, PSYC 1010 (counted in major))
- Human Past (3)
- Scientific Reasoning (3, BIOL 1230)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 33

- Category I (9 hours) (PSYC 1010 satisfies Human Behavior - hours for PSYC 1010 counted in major - not Explorations)

- Category II (9 hours)
- Category III (9 hours)
- Category IV (3 hours)
- Category V (3 hours)
- Senior Comprehensive Exams (PSYC 4999)

Minor: 19

- CHEM 1010/1010D - General Chemistry I
- CHEM 1011L - General Chemistry I Laboratory
- CHEM 1020/1020D - General Chemistry II
- CHEM 1021L - General Chemistry II Laboratory
- CHEM 2210/2210D - Organic Chemistry I
- CHEM 2230L - Organic Chemistry I Laboratory
- CHEM 2220/2220D - Organic Chemistry II
- CHEM 2240L - Organic Chemistry II Laboratory
- CHEM 3130 - Introduction to Biochemistry

Biology: 13

- BIOL 1230 - General Biology I
- BIOL 1230L - General Biology I Laboratory (1 of 4 BIOL 1230/BIOL 1230L)
- BIOL 1240 - General Biology II
- BIOL 1240L - General Biology II Laboratory
- BIOL 3110 - Genetics
- BIOL 3350 - Anatomy and Physiology

Physics: 8

- PHYS 2010 - General Physics I
- PHYS 2010L - General Physics I Laboratory
- PHYS 2020 - General Physics II
- PHYS 2020L - General Physics II Laboratory

Free Electives: 10

MATH 1030 or MATH 1070 counts as 4 of the 10

Total Hours: 120

[1] Counts as Human Behavior Course - Exploration in the Liberal Arts
* Category 2
** Category 3
*** Category 4
Courses need not be taken in category order.

Psychology majors intending to go to medical school are also strongly encouraged to take BIOL 3162/BIOL 3162L, BIOL 4111/BIOL 4111L, and/or BIOL 4091/BIOL 4091L, when possible.

Psychological Science, B.S.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Students will take a minimum of 36 credit hours of psychology as offered within the Psychology Department, from five different categories of offerings:

Category 1: Introduction and Basic Sciences:

All students must take the following four courses (12 hours).

- PSYC 1010 - Introductory Psychology (prerequisite for all courses except 1012)
- PSYC 2020 - Research Methods (prerequisite for 2512)
- PSYC 2511 - Psychological Statistics (prerequisite for 2512)
- PSYC 2512 - Advanced Research (prerequisite for all 3000- & 4000-level courses)

Category 2: Basic Research (Theoretical):

Students must take a minimum of 9 hours from among the following:

- NSCI 4020 - Cognitive Neuroscience
- PSYC 1012 - Human Development
- PSYC 2070 - Comparative and Evolutionary Psychology
- PSYC 2110 - Human Sexuality
- PSYC 3010 - Social Psychology
- PSYC 3030 - Cognitive Psychology
- PSYC 3050 - Physiological Psychology
- PSYC 3100 - Psychology of Learning
- PSYC 4010 - Theories of Personality
- PSYC 4020 - Cognitive Neuroscience

Category 3: Applied Research and Clinical:

Students must take a minimum of 9 hours from among the following:

- PSYC 2050 - Health Psychology
- PSYC 2500 - Positive Psychology
- PSYC 3025 - Adult Development and Aging
- PSYC 3045 - Industrial/Organizational Psychology
- PSYC 3080 - Abnormal Psychology
- PSYC 3110 - Psychotherapies
- PSYC 3120 - Tests and Measurements
- PSYC 4050 - Drugs and Behavior
- PSYC 4085 - Disorders of the Brain

- PSYC 4095 - Forensic Psychology
- PSYC 4398 - Fieldwork Practicum I
- PSYC 4399 - Fieldwork Practicum II

Category 4: Special and Advanced Topics:

Students must take a minimum of 3 hours from among the following:

- PSYC 2080 - Writing in Psychology
- PSYC 3035 - Psychology of Gender
- PSYC 3041 - Black Psychology
- PSYC 3200L - Psychology Laboratory
- PSYC 4000S - Seminar
- PSYC 4030 - Group Dynamics
- PSYC 4060 - Cultural Psychology
- PSYC 4070 - Psychology of Stereotyping and Prejudice
- PSYC 4011 - Independent Study (Offered only as needed)
- PSYC 4012 - Independent Study (Offered only as needed)
- PSYC 4013 - Independent Study (Offered only as needed)

Category 5: Capstone Experience:

Students take 3 hours.

- PSYC 4996 - Historical and Applied Perspectives in Psychology

Freshman Year

First Semester

- PSYC 1010 - Introductory Psychology [1]
- XCOR 1000 - College Experience
    - College Writing (3)
- Quantitative Reasoning (3, MATH 1***)
- Free Electives (6)

Semester Hours: 16

Second Semester

- PSYC 2020 - Research Methods
- PSYC 2511 - Psychological Statistics

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Advanced Rhetoric and Composition (3)
- Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- PSYC 2512 - Advanced Research
    - Human Past (3)
    - Faith and Society (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- PSYC Choice (6) *
- Minor (3)
- African American Heritage and Legacies (3)
- Free Elective (3)

Semester Hours: 15

Junior Year

First Semester

- PSYC Choice (6) * **
- Examined Life (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Second Semester

- XCOR 3010 - Engaging the Mission
- PSYC Choice (6) * **
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Senior Year

First Semester

- PSYC 4999 - Senior Comprehensives
- Minor (3)
- Free Electives (3)
- PSYC Choice (3) ***
- XCOR 3020 - Engaging Global Issues
    - Scientific Reasoning (3)

Semester Hours: 15

Second Semester

- PSYC 4996 - Historical and Applied Perspectives in Psychology
- Minor (3)
- Free Elective (5)
    - Creative Expression and Engagement (3)

Semester Hours: 14

Summary: Program in Psychological Science

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3)
- Quantitative Reasoning (3)

Explorations: 18

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (0, PSYC 1010 (counted in major))

- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 36

Category I (12 hours) (PSYC 1010 satisfies Human Behavior - hours for PSYC 1010 counted in major - not Explorations)
Category II (9 hours)
Category III (9 hours)
Category IV (3 hours)
Category V (3 hours)
Senior Comprehensive Exams (PSYC 4999 - 0 hours)

Minor: 18

Free Electives: 29

Total Hours: 120

[1]Counts as Human Behavior Course - Exploration in the Liberal Arts
* Category 2
** Category 3
*** Category 4
Courses need not be taken in category order.

Non-degree

Cognitive Neuroscience Minor

Neuroscience non-majors will also have the option to minor in Cognitive Neuroscience. A minor in Cognitive Neuroscience requires 18 hours of course work. Cognitive Neuroscience minors must complete 9 hours of required courses and 9 hours of qualifying elective courses in Cognitive Neuroscience.

Required Courses (9 hours)

- PSYC 1010 - Introductory Psychology
- NSCI 3050 - Physiological Psychology
- NSCI 4050 - Drugs and Behavior

Qualifying Elective Courses (9 hours)

- PSYC 2070 - Comparative and Evolutionary Psychology
- NSCI 4020 - Cognitive Neuroscience
- NSCI 4085 - Disorders of the Brain
- CPSC 1710 - Computer Science I
- CPSC 2230 - Introduction to Computational Data Analysis (recommended to co-register w/ CPSC 1230)
- CPSC 1230 - Introduction to Scientific Computing (recommended to co-register w/ CPSC 2230)
- MATH 2550 - Discrete Structures for Computer Science and Mathematics I
- STAT 2015 - Biostatistics
- STAT 2015D - Biostatistics Drill

Notes

Psychology majors are eligible to minor in Cognitive Neuroscience with the following stipulations:

1) Since all PSYC majors must take PSYC 1010, PSYC 1010 cannot count for the Cognitive Neuroscience minor. Instead, PSYC majors must take an additional NSCI Elective course from the list above (raising the elective requirement from 9 hours to 12 hours).

2) PSYC majors cannot have any course that counts for the major to simultaneously count for the minor. This means that all Neuroscience courses taken for the minor cannot be counted toward the PSYC major.

Psychology Minor

Students selecting a minor in psychology must complete a minimum of 18 semester hours of courses offered within the Psychology Department at Xavier. PSYC 1010 - Introductory Psychology is required. Minors may bypass most prerequisites for upper-level courses with permission from the department head.

Department of Sociology

Division of Social and Behavioral Sciences

Xavier South 500 - (504) 520-7400 - https://www.xula.edu/department?id=sociology_2b5c7dd

The primary reasons for majoring in sociology are knowledge (intriguing course content and skill development) and practice (diverse career options). Sociology offers breadth and flexibility that make a young professional prepared for a diverse array of fields. In addition to graduate study in sociology, public health, criminal justice, counseling, urban affairs, public administration, education, law, and social work, graduates work in the private and public sector in fields such as research, counseling, community organizing, government, union organizing, teaching, and coaching.

The Department of Sociology provides a program of study leading to the Bachelor of Arts degree. Students are expected to meet the requirements of the Sociology Department and the College of Arts and Sciences. The department is simultaneously committed to the Mission Statement of Xavier and to the discipline.

The goals of the department are:

1. To prepare majors for graduate and professional study in fields related to sociology such as: social work, counseling, public health, criminal justice, law, public administration, or urban planning;
2. To prepare majors for graduate study in sociology leading to the terminal degree;
3. To prepare students for employment in business, education, government, media, health, and public or social service;

4. To provide students with a global perspective of society, cultures, and institutions; and
5. To develop students' critical and analytical reasoning skills, most especially through the use of sociological research methods.

The Department of Sociology offers a B.A. in Sociology, a B.A. in Sociology with a Concentration in Health, Medicine and Society, a B.A. in Sociology with a Concentration in Crime & Social Justice, and a Minor in Sociology. Students may also tailor their curriculum to focus in a specific area of interest such as crime and deviance, race, or gender.

Xavier University's program in sociology offers students the flexibility to pursue their individual academic and career goals. Students are strongly encouraged to take advantage of the flexibility in the major, the core curriculum, and up to 34 free elective credits, to study abroad, double major, or double minor. Each student is required to complete either an internship (SOCI 4950) or three credits of independent study (SOCI 4901, SOCI 4902 or SOCI 4903), which also promotes individualized learning. Students should work closely and early on with their academic advisors to design an individualized plan of study to help them attain their academic and professional goals.

Students majoring in sociology must earn 37 credit hours in sociology in both required and elective sociology courses as well as additional courses required for specialized concentrations (see specific course requirements below). Students must also successfully pass a senior comprehensive exam. It is recommended that students enroll in SOCI 4999 in the semester before they intend to graduate. A minimum of 120 credit hours are required for graduation. In order for any course to be counted for degree credit in the major, a student must earn a "C" or better. All majors must also complete MATH 1020 (STAT 2010) with a "C" or better. These credits may be applied toward the required courses in the College of Arts and Sciences Core. Particular sociology courses (SOCI 1010, SOCI 1015, SOCI 2040, SOCI 2500, SOCI 3025) may be counted toward both the major and the College of Arts and Sciences Core.

Concentration in Sociology - Students choosing a double concentration in Sociology and another discipline may complete any 12 hours of Sociology coursework. An additional 12 hours is required in the other selected discipline of which specific courses might be required. Students are advised to check with the selected department that houses the discipline for the most up-to-date requirements.

Honors in Sociology - Students with a cumulative GPA of at least 3.0 will graduate with an honors distinction in Sociology by completing a minimum of any three Sociology courses with a total of nine credit hours with a combined GPA in all sociology courses of 3.5 or higher. This distinction and its criterion of a 3.5 GPA in Sociology apply to all students, including students majoring and minoring in Sociology. To be eligible, students must have an overall GPA of 3.0.

Bachelor of Arts

Sociology, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Whether entering the job market or graduate school, the sociology major offers students skills that are increasingly necessary in a global, rapidly changing world. Xavier's sociology major offers exposure to diverse perspectives on social issues, broad training in social scientific research, an understanding of how various institutions and groups work (e.g., business, education, government, medicine, families, law), strong critical thinking and writing skills, and an understanding of the rapidly changing, diverse and global world. This foundation in a wide range of knowledge and skill areas offers graduates enormous flexibility in the job market and/or entry into a wide array of graduate or professional programs.

Students majoring in sociology must complete 37 credit hours in sociology, in addition to MATH 1020 (STAT 2010) (may be applied to Quantitative Reasoning Core requirement) . Of these, the following sociology courses, totaling 16 credit hours, are required: SOCI 1010 (may be applied to Human Behavior Explorations), SOCI 2500 (may be applied to Advanced Rhetoric Core requirement), SOCI 2530, SOCI 2530L, SOCI 3030, and SOCI 4950. In addition to these required courses, students complete 21 hours of Sociology Electives, distributed as follows: one additional 1000 level course, two additional 2000 level elective courses, two additional 3000 level elective courses, and two additional 4000 level elective courses.

Freshman Year

First Semester

- SOCI 1010 - Introduction to Sociology (Human Behavior)
- XCOR 1000 - College Experience
    - College Writing (3)
    - Human Past (3)
    - Creative Expression and Engagement (3)
- Free Elective or Minor (3)

Semester Hours: 16

Second Semester

- SOCI 3011 - Global Social Change
  or
- SOCI 1015 - Popular Culture and Society

- STAT 2010 - Statistical Methods I (Quantitative Reasoning)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Examined Life (3)
- Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- SOCI 2500 - Reading and Writing for Sociology (Advanced Rhetoric and Composition)
- Sociology Elective (3)
    - Scientific Reasoning (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- SOCI 2530 - Introduction to Research Methods

- SOCI 2530L - Statistical Software Lab
- Sociology Elective (3)
- African American Heritage and Legacies (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 16

Junior Year

First Semester

- SOCI 3030 - Sociological Theory
- Sociology Elective (3)
- Minor (3)
- XCOR 3010 - Engaging the Mission
    - Faith and Society (3)

Semester Hours: 15

Second Semester

- XCOR 3020 - Engaging Global Issues
- Sociology Electives (6)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Senior Year

First Semester

- SOCI 4950 - Senior Capstone Internship
- Free Elective (6)
- Minor (3)

Semester Hours: 12

Second Semester

- Sociology Elective (3)
- Free Elective (13)

Semester Hours: 16

Summary: Program in Sociology

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3, SOCI 2500)
- Quantitative Reasoning (3, STAT 2010)

Explorations: 21

African American Heritage and Legacies (3)

Creative Expression and Engagement (3)

Examined Life (3)

Faith and Society (3)

Human Behavior (3, SOCI 1010)

Human Past (3)

Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 31-40

- SOCI 1010 - Introduction to Sociology *

- SOCI 3011 - Global Social Change
  or
- SOCI 1015 - Popular Culture and Society

- 2000 level Sociology Electives (6)
- SOCI 2500 - Reading and Writing for Sociology *
- SOCI 2530 - Introduction to Research Methods

- SOCI 2530L - Statistical Software Lab
- SOCI 3030 - Sociological Theory
- 3000 level Sociology Electives (6)
- 4000 level Sociology Electives (6)
- SOCI 4950 - Senior Capstone Internship
- STAT 2010 - Statistical Methods I *

Minor: 18

Free Electives: 22-31

Total Hours: 120

*Option to take as Core Course, but total hours for degree is still 120

Sociology-Crime & Social Justice Concentration, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Students interested in criminology and the criminal justice system may elect a Concentration in Crime and Social Justice. This interdisciplinary concentration allows students to apply sociological tools to the study of crime, and to infuse this development of knowledge with an appreciation of how society's definition and reaction to crime support or hinder social justice. Unlike programs with a technical focus, a flexible, liberal arts curriculum allows students to develop analytical, critical thinking, and communication skills while learning more about the sub-field of criminology and the criminal justice system.

In particular, students will:

- consider how definitions of crime, awareness of crime, and reactions to crime are rooted in larger economic, political, and social contexts;
- develop a critical perspective on the criminal justice system's role as a system of social control;
- discover how social identities affect the system;
- research policies for prevention, intervention, and reform that promote a more socially just system;
- analyze how crime intersects with other social institutions.

This concentration is a useful foundation for students interested in pursuing a wide range of occupations or graduate degrees in fields such as:

- law,
- criminal justice (law enforcement, corrections, probation or parole systems),
- social work,
- government and non-profit agencies,
- counseling and rehabilitation services,
- family services,
- education,
- juvenile justice,
- community development and empowerment,
- program evaluation and planning.

Sociology majors with a concentration in Crime and Social Justice must complete 39 credit hours, in addition to MATH 1020 (may be applied to Quantitative Reasoning Core requirement) . Of these, the following sociology courses, totaling 16 credit

hours, are required: SOCI 1010 (may be applied to Human Behavior Explorations), SOCI 2500 (may be applied to Advanced Rhetoric Core requirement), SOCI 2530, SOCI 2530L, SOCI 3030, and SOCI 4950. In addition students must complete 24 credit hours as follows: 1) SOCI 2020 and SOCI 2042; 2) one seminar course (SOCI 4020, SOCI 4080, SOCI 4810); 3) 12 credit hours of Crime and Social Justice Electives drawn from Sociology, Communication Studies, and/or Political Science approved courses (see below); and, 4) SOCI 4800. In order for any course to be counted for degree credit in the major, even if it is in a discipline other than sociology, a student must earn a "C" or better.

Crime & Social Justice Electives

Students have two options for completing the 12 credit hours of Crime and Social Justice Electives.

Option A:

One of the following courses:

- SOCI 2010 - Social Problems
- SOCI 2040 - Sociology of Gender
- SOCI 2050 - Sociology of the Family
- SOCI 2060 - Race and Ethnic Relations
- PSCI 2100 - Law, Politics, and Society

AND three of the following courses:

- SOCI 3100 - Social Policy
- SOCI 3025 - African American Urban Life
- SOCI 3035 - Sociology of Mental Health
- PSCI 3110 - Civil Rights and Civil Liberties
- PERF 3030 - Race, Culture, & Communication

Option B:

Four of the following courses:

- SOCI 3100 - Social Policy
- SOCI 3025 - African American Urban Life
- SOCI 3035 - Sociology of Mental Health
- PSCI 3110 - Civil Rights and Civil Liberties
- PERF 3030 - Race, Culture, & Communication

Freshman Year

First Semester

- SOCI 1010 - Introduction to Sociology (Human Behavior)
- XCOR 1000 - College Experience
    - College Writing (3)

    - Human Past (3)
    - Creative Expression and Engagement (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- MATH 1020 - Basic Statistics I (Quantitative Reasoning)
- SOCI 2020 - Introduction to Criminology

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

    - Examined Life (3)
- Free Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- SOCI 2500 - Reading and Writing for Sociology (Advanced Rhetoric and Composition)
- SOCI 2042 - Deviance
    - Scientific Reasoning (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- SOCI 2530 - Introduction to Research Methods
- SOCI 2530L - Statistical Software Lab
- African American Heritage and Legacies (3, AADS 2060 or AADS 3025)
- Free Elective (3)
- Minor (3)
- Crime and Social Justice Concentration Elective (3)

Semester Hours: 16

Junior Year

First Semester

- SOCI 3030 - Sociological Theory
- Crime and Social Justice Concentration Elective (3)
- Minor (3)
- Faith and Society (3)
- XCOR 3010 - Engaging the Mission

Semester Hours: 15

Second Semester

- SOCI 4810 - Special Topics in Sociology
  or
- SOCI 4020 - Urban Sociology
  or
- SOCI 4080 - Race, Class and Gender Inequality

- Crime and Social Justice Concentration Elective (3)
- Free Elective (3)
- Minor (3)
- XCOR 3020 - Engaging Global Issues

Semester Hours: 15

Senior Year

First Semester

- SOCI 4800 - Crime and Social Justice Seminar
- SOCI 4950 - Senior Capstone Internship (Capstone)
- Minor (3)
- Free Elective (3)

Semester Hours: 12

Second Semester

- Crime and Social Justice Concentration Elective (3)
- Free Elective (10)
- Minor (3)

Semester Hours: 16

Summary: Program in Sociology Concentration in Crime & Social Justice

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3, SOCI 2500)
- Quantitative Reasoning (3, MATH 1020)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3)
- Faith and Society (3)
- Human Behavior (3, SOCI 1010)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: (31-43)

- SOCI 1010 - Introduction to Sociology *
- MATH 1020 - Basic Statistics I *
- SOCI 2020 - Introduction to Criminology
- SOCI 2042 - Deviance
- SOCI 2500 - Reading and Writing for Sociology *
- SOCI 2530 - Introduction to Research Methods
- SOCI 2530L - Statistical Software Lab

- SOCI 2060 - Race and Ethnic Relations *
  or
- SOCI 3025 - African American Urban Life *

- SOCI 3030 - Sociological Theory
- Crime & Social Justice Electives (9)

- SOCI 4020 - Urban Sociology
  or

- SOCI 4080 - Race, Class and Gender Inequality
  or
- SOCI 4810 - Special Topics in Sociology

- SOCI 4800 - Crime and Social Justice Seminar
- SOCI 4950 - Senior Capstone Internship (Capstone)

Minor: 18

Free Electives: 19-31

Total Hours: 120

*Option to take as Core Course, but total hours for degree is still 120

Sociology-Health, Medicine & Society Concentration, B.A.

For more information regarding the Core Curriculum, including a list of courses that satisfy Core Curriculum requirements, click here: The Core Curriculum.

Students majoring in sociology may elect a Concentration in Health, Medicine and Society. The goals of this unique concentration are to assist students in learning that health and disease do not depend solely on biological mechanisms; to promote the well-being of the social body by teaching the role of behavioral theory, research, and clinical practice in the promotion and maintenance of health and well-being; to provide students with knowledge of cutting edge debates in the field; to assist students in understanding the sociological, ethical, and psychological mechanisms affecting human health and illness behavior; and to prepare students for careers in the health professions and/or entrance to graduate school.

Sociology majors with a concentration in Health, Medicine and Society must complete 37 credit hours in sociology, in addition to MATH 1020 (STAT 2010) (may be applied to Quantitative Reasoning Core requirement) and PHIL 2400. Of these, the following sociology courses, totaling 16 credit hours, are required: SOCI 1010 (may be applied to Human Behavior Explorations), SOCI 2500 (may be applied to Advanced Rhetoric Core requirement), SOCI 2530, SOCI 2530L, SOCI 3030, and SOCI 4950. In addition to these required courses, students must complete two additional 2000 level sociology courses, three of four specialized courses (SOCI 3035, SOCI 3040, SOCI 3060, or SOCI 3070), SOCI 4025, and SOCI 4700.

Freshman Year

First Semester

- SOCI 1010 - Introduction to Sociology (Human Behavior)
- XCOR 1000 - College Experience
- College Writing (3)
  - Creative Expression and Engagement (3)
  - Human Past (3)
- Free Elective (3)

Semester Hours: 16

Second Semester

- STAT 2010 - Statistical Methods I (Quantitative Reasoning)

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- Free Electives (6)
- 2000 level Sociology Elective (3)

Semester Hours: 15

Sophomore Year

First Semester

- SOCI 2500 - Reading and Writing for Sociology (Advanced Rhetoric and Composition)
  - Scientific Reasoning (3)
- 2000 level Sociology Elective (3)
- Free Elective (3)
- Minor (3)

Semester Hours: 15

Second Semester

- SOCI 2530 - Introduction to Research Methods
- SOCI 2530L - Statistical Software Lab

- SOCI 3035 - Sociology of Mental Health
  or
- SOCI 3040 - Population and Society
  or
- SOCI 3060 - Sociology of Aging
  or
- SOCI 3070 - Medical Sociology

- African American Heritage and Legacies (3)
- Minor (3)
- Free Elective (3)

Semester Hours: 16

Junior Year

First Semester

- SOCI 3030 - Sociological Theory

- SOCI 3035 - Sociology of Mental Health
  or
- SOCI 3040 - Population and Society
  or
- SOCI 3060 - Sociology of Aging
  or
- SOCI 3070 - Medical Sociology

- XCOR 3010 - Engaging the Mission
- Faith and Society (3)
- Minor (3)

Semester Hours: 15

Second Semester

- PHIL 2400 - Health Ethics (Examined Life)
- SOCI 4025 - Health Disparities
- XCOR 3020 - Engaging Global Issues
- Minor (3)
- Free Elective (3)

Semester Hours: 15

Senior Year

First Semester

- SOCI 4950 - Senior Capstone Internship (Capstone)
- Minor (3)
- Free Elective (3)
- SOCI 4700 - Seminar in Health, Medicine & Society

Semester Hours: 12

Second Semester

- SOCI 3035 - Sociology of Mental Health
  or
- SOCI 3040 - Population and Society
  or
- SOCI 3060 - Sociology of Aging

or
- SOCI 3070 - Medical Sociology

- Free Electives (10)
- Minor (3)

Semester Hours: 16

Summary: Program in Sociology Concentration in Health, Medicine & Society

Foundations: 13

- XCOR 1000 - College Experience

- XCOR 1011 - Xavier Experience
  or
- XCOR 1012 - New Orleans Experience

- College Writing (3)
- Advanced Rhetoric and Composition (3, SOCI 2500)
- Quantitative Reasoning (3, STAT 2010)

Explorations: 21

- African American Heritage and Legacies (3)
- Creative Expression and Engagement (3)
- Examined Life (3, PHIL 2400)
- Faith and Society (3)
- Human Behavior (3, SOCI 1010)
- Human Past (3)
- Scientific Reasoning (3)

Engagements: 6

- XCOR 3010 - Engaging the Mission
- XCOR 3020 - Engaging Global Issues
- Senior Capstone (0)

Major: 34-46

- SOCI 1010 - Introduction to Sociology *
- 2000 level Sociology Electives (6)
- STAT 2010 - Statistical Methods I *
- SOCI 2500 - Reading and Writing for Sociology *
- PHIL 2400 - Health Ethics *

- CMST 1080 - Health Communication
- SOCI 2530 - Introduction to Research Methods
- SOCI 2530L - Statistical Software Lab
- SOCI 3030 - Sociological Theory

- SOCI 3035 - Sociology of Mental Health
  or
- SOCI 3040 - Population and Society
  or
- SOCI 3060 - Sociology of Aging
  or
- SOCI 3070 - Medical Sociology

- SOCI 4025 - Health Disparities
- SOCI 4700 - Seminar in Health, Medicine & Society
- SOCI 4950 - Senior Capstone Internship (Capstone)

Minor: 18

Free Electives: 16-28

Total Hours: 120

*Option to take as Core Course, but total hours for degree is still 120

Non-degree

Sociology Minor

Students selecting a minor in sociology must complete a minimum of 18 semester hours in sociology, meeting three criteria.

1. *Core courses* (six credit hours total): SOCI 1010 - Introduction to Sociology and SOCI 3030 - Sociological Theory, are required.
2. *Electives* (nine credit hours total): Students may choose any combination of sociology courses to complete this component of the minor *with the one following exception*: students may NOT take two 1000 level courses with one 2000 level course to complete this component of the minor. Any other combination is acceptable (e.g., two 1000 level courses with one 3000 level course is acceptable, as is one 1000 level course with two 2000 level courses).
3. *Seminar* (three credit hours total): Students minoring in sociology must take at least one 4000 level course of their choice.

No matter which set of nine hours of electives students take, all minors must take SOCI 1010 - Introduction to Sociology and SOCI 3030 - Sociological Theory.

College of Arts and Sciences Graduate Programs

College of Arts and Sciences Graduate Programs

Purpose	Speech-Language Pathology Program	Specific Requirements for Education and Counseling Students
Education and Counseling Programs	Theology Program	Specific Requirements for Master of Public Health Students
Public Health Program	Graduate Program Policies	Specific Requirements for Master of Theology Students

Purpose

Graduate programs at Xavier University began in 1933 in response to requests from persons in the New Orleans area who wished an opportunity to pursue graduate studies. Since that time, Xavier's Graduate Programs have provided quality programs that foster the core values of scholarship, service and societal improvement consistent with Xavier's unique mission. Academic achievement, professional practices and ethics are stressed in each discipline.

Scholarship, teaching and service are integral to the student's educational experience at Xavier and beyond the classroom into the community at large. As part of the educational experience, Xavier's Graduate Programs encourage faculty-student and student-student relationships in an effort to cultivate respect for the individual and foster human development.

The following degrees are offered at Xavier: the Master of Arts, the Master of Arts in Teaching, the Master of Theology, the Master of Public Health in Health Equity, the Master of Science in Speech-Language Pathology, and the Doctor of Education in Educational Leadership.

Education and Counseling Programs

Master's Degrees

Graduate course work for the Master's degree in Educational Leadership, Counseling, and Curriculum and Instruction is offered in the Division of Education and Counseling. Areas of specialization are listed below. In addition, programs are also offered for initial Louisiana teacher certification through the M.A.T. program (Master of Arts in Teaching).

Master of Arts - This program is offered in the following areas, with several specializations within each area for those applicants who possess a valid teaching certificate:

1. Educational Leadership - Professional preparation in Educational Leadership is offered with specialization in the following area:

- Educational Leadership - building-level K - 12 certification track,
- Educational Leadership - non-certification track.

2. Curriculum and Instruction - Professional preparation for leadership in Curriculum and Instruction is offered in the following specialized areas:

- Reading Specialist,
- Instructional Technology

- Teacher Leader
- Special Interest

3. Counseling - Professional preparation is offered for counselors to work in schools, post-secondary educational settings, and mental health facilities. Counseling programs meet all requirements for state certification and academic requirements for licensure.

The specializations are:

- School Counseling, and
- Clinical Mental Health Counseling.

Master of Arts in Teaching - This program is offered in the following areas for those applicants who have passed PRAXIS examinations seeking certification:

- Elementary Education (Grades 1-5),
- Secondary Education (Grades 6-12),
- K-12 Education,
- Elementary/Special Education (Grades 1-5),
- Middle School /Special Education (Grades 4-8), and
- Secondary Education/Special Education (Grades 6-12).

Doctoral Degree Program

The focus of the Doctor of Education in Educational Leadership is School Turnaround and the Urban Community. The Ed.D. is offered through the Division of Education and Counseling.

Doctor of Education in Educational Leadership

The first doctorate in the College of Arts and Sciences emanated from Xavier faculty members who assisted with the development of a statewide school turnaround program. Xavier's program in educational leadership is designed to prepare visionary leaders who are socially just, promote reflection, and foster transformation in an ever-changing profession.

Utilizing an interdisciplinary and systems-based approach, our scholars are imbued with a global perspective, and are fierce advocates for change in policy and practice that embrace social justice and equity for all.

This action-oriented program is designed for practitioners who are advancing in their fields and understand the need for a terminal degree. Unlike other doctoral programs in educational leadership, Xavier's program focuses on the urban community and school turnaround.

Through research, engagement, and community collaboration, doctoral students complete the doctoral program with significant contributions to academia with results and recommendations for the transformation of schools and organizations. Emphasis includes the impact of policy on schools and organizations.

Public Health Program

Graduate course work for the Master of Public Health in Health Equity is offered by the Department of Public Health Sciences.

Master of Public Health in Health Equity

The Master of Public Health (MPH) in Health Equity is a 45-credit hour program that includes MPH core foundational competency courses and a range of other courses to choose from related to determinants of health equity.

The MPH in Health Equity is designed to accomplish the following goals and is based on the current work of the Association of Schools and Programs of Public Health and the Council on Education for Public Health:

- Educate students so that they understand the core beliefs and functions of the profession and evidence-based science of Public Health; and
- Educate students so that they understand the environmental, biological, genetic, behavioral and psychological factors, and globalization affects related to human health.

In addition to satisfying these goals, the MPH in Health Equity will be assessed based on the learning objectives and competencies listed for each individual course. Identified key domains and preliminary core constructs around which the assessment of the MPH Program will be assessed are:

- Evidence-Based Approaches to Public Health,
- Public Health and Health Care Systems,
- Planning and Management to Promote Health,
- Policy in Public Health,
- Leadership,
- Communication,
- Interprofessional Practice, and
- Systems Thinking.

Speech-Language Pathology Program

Graduate course work for the Master of Science in Speech-Language Pathology is offered by the Department of Speech Pathology.

Master of Science in Speech-Language Pathology

The Master of Science (MS) in Speech-Language Pathology is a two year, 51-credit hour program that includes 41 semester hours of academic coursework and 10 hours of clinical course work.

This program is designed to adequately prepare Speech-Language Pathologists to have the essential academic knowledge, clinical skills and reflective ethical practices that enable them to enter the profession, to become lifelong learners, to serve others, to be advocates for individuals who have communicative disorders, to understand, appreciate and respect culturally and linguistically diverse communities, and to become successful leaders within the profession of speech pathology and, more generally, in society.

The primary learning outcomes identified for the Master of Science in Speech-Language Pathology are that graduates of the program will have:

- Demonstrated knowledge of the biological sciences, physical sciences, statistics, and the social/behavioral sciences;
- Demonstrated knowledge of basic human communication and swallowing processes, including the appropriate biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases;
- Demonstrated the ability to integrate information pertaining to normal and abnormal human development across the life span;
- Demonstrated knowledge of communication and swallowing disorders and differences, including the appropriate etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates;
- Demonstrated current knowledge of the principles and methods of prevention, assessment, and intervention for people with communication and swallowing disorders across the lifespan;
- Demonstrated knowledge of standards of ethical conduct;
- Demonstrated knowledge of processes used in research and of the integration of research principles into evidence-based clinical practice;
- Demonstrated knowledge of contemporary professional issues;

- Demonstrated knowledge of entry level and advanced certifications, licensure, and other relevant professional credentials, as well as local, state, and national regulations and policies relevant to professional practice; and
- Demonstrated skills in oral and written or other forms of communication sufficient for entry into professional practice.

Theology Program

The Graduate course work for the Master of Theology degree is offered by the Institute for Black Catholic Studies (IBCS).

Master of Theology

The IBCS' Master of Theology Program, was established at Xavier in 1980 and is the only graduate program in the United States for the study of Black Catholic Theology and Pastoral Ministry. Designed to form Black Catholic leaders and others for more effective ministry in the community and church, the IBCS community life and Th.M. courses assist students in integrating theory and praxis, theology and pastoral ministry, engagement that contributes to holistic personal growth and building up of the faith community.

The Graduate Degree program blends rigorous academic and personal learning. The program equips students with methodological tools for critical understanding, analysis, and evaluation.

Graduate Program Policies

The following policies apply to all Xavier graduate programs.

Admission Requirements

Applicants are admitted to a graduate program on a full-time or part-time basis. Candidates for admission must submit a formal application according to the procedures outlined below. The formal application includes an application fee, official transcripts from all undergraduate and, where applicable, all post-baccalaureate institutions where courses were taken; two confidential recommendations (three for Th.M., Speech-Language Pathology, and MPH applicants); a sample research study (doctoral candidates only); and official test results from either the Graduate Record Examination (GRE) (only GRE scores are accepted for Speech-Language Pathology) or the Miller Analogies Test (MAT). Medical College Admission Test (MCAT) test scores are also accepted for MPH applicants. Test scores older than five years are not accepted. Speech-Language Pathology and Counseling applicants are also required to submit a personal statement detailing why you have chosen this program of study and participate in an admission interview. Additional requirements are:

Master's Applicants:

A minimum score of 280 (the combined score from the verbal and quantitative sections) on the GRE or a minimum score of 380 on the MAT is acceptable for education and counseling applicants.

A degree from an accredited (U.S. Department of Education recognized Institutional Accreditor) college or university which reflects an overall minimum undergraduate grade point average of 2.5 for the Education, Counseling, and Theology programs, a 2.75 for the MPH program, and a 3.2 for Speech-Language Pathology program is required.

Applications must be made by the following dates:

- Fall Semester - July 1 (March 1 Priority Deadline)
- Spring Semester -December 1 (October 1 Priority Deadline)
- Summer Sessions - May 1 (March 1 Priority Deadline)

In addition, applicants for certifying programs must submit passing scores from the appropriate PRAXIS examinations or a valid teaching certificate where applicable.

Doctoral Applicants:

Doctoral applicants must submit a GRE or MAT score dated within the past 5 years.

A degree from an accredited (U.S. Department of Education recognized Institutional Accreditor) college or university which reflects an overall minimum graduate grade point average of 3.0 is required.

Applicants are required to pass an interview as well as a passed score on a written response from a research prompt provided by the Educational Leadership faculty. NOTE: The Doctoral Program in Educational Leadership at Xavier University is a 100% online program. Interviews and submissions are conducted virtually.

Graduate Degree Procedures

1. Inquiries: All students should make all inquiries regarding admission application to the Office of Graduate Programs.
2. Complete application for admission by the published deadlines. All students should send information to the Office of Graduate Programs.
    a. Pay application fee.
    b. Send an official transcript of all undergraduate and graduate credits from college or university awarding degree(s), directly to the Office of Graduate Programs.
    c. Ascertain that recommendations by two persons qualified to appraise scholastic aptitude and professional potential are on file in the Office of Graduate Programs. Theology students must also submit a third letter of reference from a person qualified to appraise professional or ministerial promise. MPH students must also submit a third letter of reference.
    d. Confirm that the test results for the GRE, MAT, or MCAT (MPH only) are on file in the appropriate office.
    e. Confirm that scores from the appropriate PRAXIS examinations are on file in the Division of Education and Counseling. (Education and Counseling students only)
    f. Complete health clearance requirements. Note: This does not apply to online programs, such as the Ed. D. program.
3. Candidacy: Apply for and achieve advancement to candidacy. To be eligible the student must:
    a. Remove all deficiencies for full admission, if applicable.
    b. Successfully complete 12 course credits of graduate work in Education and 21 course credits in Counseling at Xavier University.
    c. Earn a grade point average of not less than 3.0.
    d. Theology students must pass a qualifying exam.
    e. All students must pass courses with no incomplete grades.
    f. Doctoral students must complete all courses with no incomplete grades and successfully defend their dissertation proposal. Doctoral students should also refer to the Ed. D. academic advisors for becoming a candidate.
4. Attain status of candidacy from the Graduate Programs Council. Note: This does not apply to students within the Ed. D. program.
5. Ordinarily, complete all requirements for the degree within a seven-year period, which begins with registration for the first graduate course.
    a. The maximum number of course credits per semester for full-time students is nine (six course credits are usually recommended).
    b. A student who is employed full-time ordinarily can register for a maximum of six course credits per semester and maintain full-time status.
6. Maintain a "B" (3.0) average.
7. The final requirement for master degree candidates is to pass the Comprehensive Final Examination or write a thesis. Comprehensives may be taken after or during the semester in which the candidate is registered for the last three semester hours of credit or successfully completes the thesis option.

8. The final requirements for doctoral degree candidates includes the completion and passage of all courses, the passage of the proposal defense as well as the completion of original research. Completion of the doctoral program culminates in a dissertation which includes a successful oral and written dissertation defense signed by the entire Dissertation Committee with final approval by the Office of Graduate Programs.
9. Complete graduation arrangements for Commencement which is held at the end of the Spring semester for Education and Counseling students and at the end of the summer session for Theology students.
    a. Education and Counseling students:
        i. Apply to the Division of Education and Counseling/Graduate Programs for a diploma before November 1.
        ii. Order hood, cap and gown before December 1.
        iii. Pay the graduation fee. Students are encouraged to be present for the conferring of the Master's Degree.
        iv. Request to receive the degree in absentia is to be made in writing to the Chair of the Division of Education and Counseling at least four weeks before commencement. An additional fee is required.

b. MPH:

i. Submit a graduation application to the Public Health Sciences department.
ii. Order, hood, cap and gown before December 1.
iii. Pay the graduation fee.

c. Speech-Language Pathology students:

i. Submit a graduation application to the Speech Pathology department.
ii. Order, hood, cap and gown before December 1.
iii. Pay the graduation fee.

d. Theology students:

i. Apply to the Director of the Institute for Black Catholic Studies the summer prior to intended graduation.
ii. Order hood, cap and gown before May 1 prior to graduation.
iii. Pay a graduation fee.
iv. Graduates are expected to be present for the conferring of the Master's Degree at the end of the summer session.

Transcript Policy

Transcripts submitted for admission purposes must be official copies sent directly from the originating school or college. Education and Counseling, Theology, Speech-Language Pathology, and Public Health student transcripts should be sent to the Office of Graduate Programs. Unofficial transcripts submitted by the applicant are not acceptable for full admission purposes.

Admission to a Degree Program

Full Acceptance - An applicant is granted full acceptance provided all admission requirements have been completed: GRE or MAT score; official transcript of baccalaureate degree, and post-baccalaureate degree if applicable; two professional, confidential recommendations (Theology students must also submit a third letter of reference from a person qualified to appraise professional or ministerial promise), and approval by the Director of the appropriate graduate program. In addition, Education students must submit Praxis scores, if applicable; Theology students must complete a personal interview; Doctoral applicants must complete a personal interview and submit a writing sample as a response to a case study.

Conditional Acceptance - An applicant may be granted conditional acceptance when he/she does not meet one or more of the full admission requirements. A student admitted conditionally will have that condition(s) identified by the Director of the appropriate graduate program. Any conditional acceptance must be removed within the first year of enrollment. The applicant, who is conditionally accepted, may accumulate no more than nine hours of graduate credits.

Deferred Admission

Applicants who have been given full acceptance to Graduate Studies may defer their admission for up to two semesters by notifying the Director of the appropriate graduate program in writing. They may apply in writing for reactivation of their application status any time during the deferred time period.

Readmission

Students in any graduate program who have not attended for one year with passing academic status or who wish to change their status in the Graduate program may apply for readmission by completing a formal readmission form and gaining approval from the Chairperson of the appropriate academic department.

Students who would like to be readmitted to the university following sitting out a semester due to academic dismissal are encouraged to make an appointment with their advisor and discuss the reasons for requesting readmission. Students must complete a readmission form and submit it to the Office of Graduate Programs. Readmission must be approved by the Graduate Academic Standing Committee.

Admission of International Students

For information about Admission of International Students, please see the general Admission - International Students section of this Catalog.

Transient Student Status

The Office of Graduate Programs will consider applicants from graduate students for the Transient Student category if they meet the following criteria:

1. Applicant must be currently registered in an accredited graduate school (U.S. Department of Education recognized Institutional Accreditor).
2. Applicant must submit a current official transcript from the graduate school along with a letter of good standing from the Dean of the graduate school.
3. Courses taken at Xavier University must be approved by the Director of the appropriate graduate program.

Summer Session

Applications for admission to the summer sessions are due by May 1. The following policies are in force during the summer session:

1. The university reserves the right to cancel any summer course for which fewer than eight students have enrolled.
2. Students are classified as full-time students in the summer session if they enroll for three or more credit hours.
3. Students who register after the registration period will be required to pay a late registration fee. Students will not be allowed to register after the second day of classes.
4. An official withdrawal from a class must be approved in writing by the Director of the appropriate graduate program prior to the end of the second week in a five-week session, or before the end of the first week in a three-week session.

Orientation and Advisement

In addition to a general orientation offered by the Office of Graduate Programs, the faculty and staff of each academic department offer orientation and advisement for graduate students in their concentrations. New students to the education and counseling programs are notified in writing, at the time of their acceptance, of the time and place to begin their registration. Advisors inform students of University and Graduate policies and procedures and assist in course selection. Students usually retain the same advisor until they complete their program. Advising for Public Health students is done through the Department of Public Health Sciences, and advising for Speech-Language Pathology students is done through the Department of Speech Pathology.

Advising of Institute for Black Catholic Studies (IBCS) graduate students occurs during the on-campus final registration period. Designated advisors review and approve students' selected classes according to their program of study. The orientation program for IBCS students is held on Sunday before the Opening Mass, when students and faculty gather officially for the first time in the summer session at a central location to meet with the program directors. Students and faculty also meet the program staff members and are informed of the University's and the Graduate policies and procedures, the location of key buildings on campus, and activities schedules.

Financial Arrangements

Xavier University is a private institution and charges tuition accordingly. In-service personnel in educational institutions receive a tuition discount that is subject to change without notice. Questions about other forms of financial assistance should be directed to the Director of the appropriate graduate program. All inquiries about financial aid should be directed to the Office of Financial Aid.

Request for Transcript

Transcripts of a student's academic record will be issued upon written application to the Registrar and payment of the fee at least one week in advance of the date the record is needed, provided that all financial obligations to the university, including Federal Loan repayments, are cleared. No transcripts will be issued during the period of registration or the period of final examinations.

Fees and Expenses

For information about Fees and Expenses, please see the Tuition and Fees section of this Catalog for all programs except the Master of Theology Program. For those fees and expenses, please see the IBCS website http://www.xula.edu/ibcs.

Specific Requirements for Education and Counseling Students

a. **English Writing Competency Requirements**
   All education and counseling graduate students are required to demonstrate competency in written English. Candidates must submit a writing sample with the application for admission.

b. **Comprehensive Examinations**
   A written comprehensive examination is required of every master's degree candidate who does not choose the option to write a thesis. An oral examination may also be required if the faculty deem it necessary. Comprehensive examinations may be taken after or during the term in which the candidate for the degree is registered for the last three hours of credit. In the latter case, the student must have completed all core courses and the required courses in the area of concentration. Upon successful completion of the written examination, counseling students are required to complete and pass the oral examination.

The written comprehensive examination is designed to test the candidate's mastery of his or her major field and not simply the course material. A student who fails his/her comprehensive examination the first time must meet with his/her advisor before registering to take the comprehensive examination the second time. A student who fails the comprehensive examination a second time must complete three credit hours as assigned by his/her advisor before the third attempt. Any student failing the comprehensive examination the third time will be disqualified as a candidate for a degree from Xavier University in that discipline.

All MAT candidates must take and pass the appropriate Praxis PLT to satisfy the University requirement for comprehensive examinations. Educational Leadership majors seeking certification must take and pass the School Leaders Licensure Exam (SLLA) to satisfy the University requirement for comprehensive examinations.

All students pursuing the Master of Arts in Counseling must take the program's exit examination prior to beginning Internship II. Students pursuing the specialization in Clinical Mental Health must pass the exit examination. All students pursuing the specialization in School Counseling must take the Professional School Counselor (0421/5421) PRAXIS examination, as well as the exit examination, and must receive a passing score on at least one of the national examinations. Students are required to pass an oral clinical defense prior to graduation.

c. **Thesis Requirements -- Masters**
A student may choose the option of writing a thesis in lieu of a written comprehensive examination, but not a required Praxis exam. However, the student must enroll in EDCI 5700 for three hours of graduate credit the semester prior to his/her last semester. The grade will be posted at the end of the next semester.

Specific Requirements for Master of Public Health Students

1. **MPH Integrative Learning Experience Requirement**
MPH students are required to complete an integrative learning experience (ILE) that demonstrates synthesis of public health foundational and concentration competencies. Students in consultation with faculty will select foundational and concentration-specific competencies appropriate to the student's educational and professional goals. The ILE represents a culminating experience and may take many forms, such as a thesis, capstone project, or practice-based project. Regardless of form, the student produces a high-quality written product that is appropriate for the student's educational and professional objectives.

2. **Practicum Requirement**
MPH students must demonstrate public health competency attainment through applied practice experiences through a completed practicum. The public health practicum is a supervised practical field experience designed to provide students the opportunity to develop and apply the knowledge and skills acquired in the academic program in a public health agency or other environment in which a public health function is performed. Each student will work with the Internship Practicum Coordinator to identify, arrange, and complete a satisfactory field experience to fulfill the program's Practicum requirements.

Specific Requirements for Master of Theology Students

This program is intended for college graduates who desire a holistic, inter-disciplinary theological program to form them to participate more fully in the Christian mission in the Black community and the Church at-large as theologically and culturally competent ordained, religious or lay ecclesial minister. It is also intended for graduate students or ministers on sabbatical who wish to enrich their general theological studies by exploring the Catholic theological tradition and its particular meanings for the social and spiritual experience of Black peoples in the United States and the broader Pan African World. The program is also preparation for graduate students who plan to pursue terminal degrees in theology or other disciplines.

The Th.M. program blends rigorous academic work with community-based learning to equip students with methodological tools for critical study, understanding, analysis, and evaluation. At the same time, the program assists students in integrating theory and

praxis, theology and pastoral ministry. Such integration should lead to an intellectually grounded faith, holistic personal growth, and effective ministry that contribute to the continual building of the life of the faith Community.

The Master of Theology (Th.M.) degree program currently offers two tracks that enable students to focus their studies within a specific academic discipline: Track 1 - Urban Catholic Education/Catechesis. This track prepares students currently working as or seeking future employment and or ministry opportunities as teachers, religious educator, or directors of religious education. Track 2 - Word & Worship (Liturgy & Preaching.) This track prepares students both lay and ordained to serve as liturgists, pastoral ministers, pastoral musicians or preachers within ecclesial settings.

As an integral part of its programs, the Institute expects students to fully participate in all aspects of community life, liturgical experiences, the formation program, cultural events, shared meals, and collaborative study groups which are all part of the Institute "experience." To facilitate the realization of these goals, all participants are strongly encouraged to live on campus during the summer session.

1. **Written Qualifying and Comprehensive Examinations**
   A written qualifying examination is required of every candidate for a master's degree. Ordinarily students must take this exam after successfully completing IBTH 5010 and two to three additional core course in the Master's Program. The qualifying exam serves as an opportunity for a detailed review of material encountered in those courses designed as the Core and Area Requirements for the Th.M. Degree Program. An oral examination may also be required if the faculty deem it necessary.

   Comprehensive examinations are taken after the completion of all degree requirements, i.e., course work, research paper and practicum. The comprehensive is an oral exam that reviews the student's comprehension of his/her theological studies and their implication for pastoral practice. It is usually administered during the term in which the candidate for the degree is registered for graduation and/or the last three hours of credit. In the latter case, the student must have completed all core courses in the area of concentration. The written comprehensive examination is designed to test the candidate's mastery of his or her major field as indicated by his/her research topic and practicum.

   Thesis (Major Research Paper)
   The thesis should be an in-depth study by the student on a topic agreed upon with the Research Advisor. It is an independent project, but the Degree Faculty recommends strongly that, whenever possible, it be related to the Practicum. Students are strongly encouraged to design and prepare the thesis or major research paper so that it provides the theological and theoretical foundation for the Practicum project. The signed comments of two (2) readers awarding the grade are to be filed in the Office of the Institute for Black Catholic Studies. The student should refer to the *IBCS Handbook of Policies, Procedures, and Information for the Master's Degree, An Interdisciplinary Degree in Pastoral Studies* for specific details on planning and completing the major research paper.

2. **Practicum**
   Students may do two types of praxis projects:
   1. Practicum Plan A entails supervised work in the Black community, and it represents an initiative directed toward systemic change in pastoral ministry among Black Catholics.
   2. Practicum Plan B requires the student to complete an historical essay integrating oral history and archival research.
      The student should refer to the *IBCS Handbook of Policies, Procedures, and Information for the Master's Degree in Theology, An Interdisciplinary Degree in Pastoral Studies* for specific details on planning, completing and evaluating the Practicum.
3. **Oral Comprehensive Exam**
   The purpose of the Oral Comprehensive Examination is to provide a structured opportunity for the student to demonstrate her or his integration of learning and insights form course work, the Practicum Project, and the Major Research Paper. More broadly, the goal of the Examination is to allow the student to illustrate how the Practicum experience is related to the educational work of the IBCS. At the same time, the student must be prepared to demonstrate the practical effect and benefits of the project for the larger Black community, and for other ministers serving the Black community. The student should refer to the *IBCS Handbook of Policies, Procedures, and Information for the Master's Degree in Theology, An Interdisciplinary Degree in Pastoral Studies* for specific details on the Oral Comprehensive Examination.

Master of Arts

Counseling, M.A.

The Counseling Program offers two specialty areas: school counseling and clinical mental health counseling. Both specializations meet the academic requirements of the Louisiana Professional Counselors Board of Examiners leading to licensure as a Licensed Professional Counselor (LPC). The school counseling specialization meets the State of Louisiana Administrative Code Section 405 requirements for a three-year school counselor K-12 ancillary certificate; upon verification of three years of successful experience as a school counselor, this certificate becomes valid for life of continuous service.

Required Courses

Area A/Core I

- COUN 5000 - Research Methodology & Program Evaluation
- COUN 5005 - Foundations & Ethics of the Counseling Profession
- COUN 5010 - Counseling Theories
- COUN 5015 - Counseling Techniques
- COUN 5020 - Lifestyle and Career Development
- COUN 5025 - Human Growth and Development

Area B/Core II and Specialization

- COUN 5100 - Group Work in Counseling
- COUN 5105 - Appraisal & Assessment in Counseling
- COUN 5110 - Psychopathology and Diagnosis
- COUN 5115 - Family and Systems Counseling
- COUN 5120 - Crisis, Trauma, Grief and Loss Counseling
- COUN 5125 - Social & Cultural Diversity in Counseling
- COUN 5130 - Behavior Disorders of Children and Adolescents

School Counseling Specialization

- COUN 5300 - School Counseling: Principles & Administration

Clinical Mental Health Counseling Specialization

- COUN 5310 - Clinical Mental Health Counseling: Principles & Practices
- COUN 5515 - Advanced Counseling Techniques

Electives

- See elective course offerings that follow 6

Area C/Professional Clinical Experience

- COUN 5400 - School Counseling Practicum
- COUN 5410 - Clinical Mental Health Counseling Practicum
- COUN 5500 - School Counseling Internship I
- COUN 5510 - Clinical Mental Health Counseling Internship I
- COUN 5600 - School Counseling Internship II
- COUN 5610 - Clinical Mental Health Counseling Internship II
- COUN 5999S - School Counseling Comprehensive Examination
- COUN 5999M - Clinical Mental Health Counseling Comprehensive Examination

Total Semester Hours Required: 60

Elective Course Offerings

- COUN 5030 - Substance Abuse and Addictions Counseling
- COUN 5035 - Clinical Perspectives in Human Sexuality
- COUN 5040 - Spirituality in Counseling
- COUN 5135 - Introduction to Play Therapy
- COUN 5140 - Advanced Play Therapy
- COUN 5200 - Special Topics in Counseling
- COUN 5320 - Marriage, Couple & Family Counseling: Principles & Practices
- COUN 5325 - Couples & Relationships Counseling
- COUN 5700 - Thesis in Counseling

Curriculum and Instruction - Reading Specialist, M.A.

This advanced level program is designed to prepare the highly qualified, certified classroom teacher with the skills necessary to effectively teach reading in grades K-12. This program meets current Louisiana state requirements for coursework leading to add-on certification as a Reading Specialist.

Required Courses

- EDCG 5000 - Statistics
- EDCG 5083 - Special Problems in Research
- EDCG 5010 - Research
- GENG 5160 - Writing Across the Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5810 - Special Topics in Literacy Education
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading
- EDCI 5210 - Clinical Practicum in Reading
- EDCI 5820 - Advanced Seminar in Children's Literature
- EDCG 5775 - School-Age Language Learning Problems
- EDCI 5140 - Reading in the Content Area

- EDCI 5700 - Thesis Writing

  or
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction

Total Hours: 36-39

Note:

Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Curriculum and Instruction Special Interest - Non Certification, M.A.

This program is designed to prepare candidates to work in schools and other educational settings concentrating on technology, teacher leader, or curriculum development. Teachers who are already certified may qualify for an add on endorsement in instructional technology or teacher leader upon completion of the specific M.A. program of study.

Required Courses

- EDCG 5000 - Statistics
- EDCG 5010 - Research
- EDCG 5090 - Advanced Educational Psychology

- EDCI 5340 - Elementary School Curriculum
  or
- EDCI 5380 - Secondary School Curriculum

- EDCI 5060 - Multicultural Education
- EDCI 5140 - Reading in the Content Area
- EDCI 5440 - The Exceptional Child
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction
- Elective courses (require advisor approval) 15

Total Hours: 36

Note:

Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Curriculum and Instruction Special Interest - Teacher Leader - Non Certification, M.A.

This program is designed to prepare candidates to work in schools and other educational settings concentrating on technology, teacher leader, or curriculum development. Teachers who are already certified may qualify for an add on endorsement in instructional technology or teacher leader upon completion of the specific M.A. program of study.

Required Courses

- EDLD 5015 - Collaborative Leadership
- EDLD 5015I - Collaborative Leadership Internship
- EDLD 5000 - Visionary Leadership
- EDLD 5000I - Visionary Leadership Internship
- EDCG 5000 - Statistics
- EDCG 5010 - Research
- EDCG 5090 - Advanced Educational Psychology

- EDCI 5340 - Elementary School Curriculum

  or
- EDCI 5380 - Secondary School Curriculum

- EDCI 5060 - Multicultural Education
- EDCI 5140 - Reading in the Content Area
- EDCI 5440 - The Exceptional Child
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction
- Elective courses (require advisor approval) 6

Total Hours: 35

Note:

Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Educational Leadership, M.A.

This advanced level program provides kindergarten to grade 12 perspectives of educational issues that impact teaching and learning. It is designed to prepare educators to be leaders as teachers, principals, and central office administrators. The program meets current Louisiana state requirements for the required coursework for an advanced degree and state Educational Leadership certification or an advanced degree, only. To complete the certification process the applicant must pass the state licensure examination, hold a valid Type A teacher certificate and have evidence of three successful years of teaching.

Required Courses

- EDLD 5000 - Visionary Leadership
- EDLD 5000I - Visionary Leadership Internship
- EDCG 5000 - Statistics
- EDLD 5015 - Collaborative Leadership
- EDLD 5015I - Collaborative Leadership Internship
- EDLD 5570 - Management of School Personnel and Finance
- EDLD 5570I - Management of School Personnel and Finance Internship
- EDLD 5540 - Educational Law
- EDLD 5540I - Educational Law Internship
- EDLD 5060 - Curriculum Progression
- EDLD 5060I - Curriculum Progression Internship
- EDLD 5020 - Supervision of Instruction and Assessment
- EDLD 5020I - Supervision of Instruction and Assessment Internship
- EDCG 5010 - Research

- EDLD 5040 - Organizational Leadership
- EDLD 5040I - Organizational Leadership Internship
- EDLD 5580 - Capstone Seminar for Educational Leaders
- EDLD 5999 - Comprehensive Examination in Educational Leadership

Total Hours: 36

* Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

Master of Arts in Teaching

All Levels Grades K-12, M.A.T.

(Art, Dance, Chinese, French, Spanish, Health & Physical Education, Music-Instrumental and Vocal)

Required Courses

Knowledge of the Learner and the Learning Environment (15 semester hours)

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5042 - Classroom Organization and Management
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5282 - Survey of Assessment

Methodology and Teaching (15 semester hours)

- EDCG 5500 - Instructional Technology
- EDCI 5140 - Reading in the Content Area
- EDCI 5060 - Multicultural Education
- EDCI 5340 - Elementary School Curriculum
- EDCI 5380 - Secondary School Curriculum

Teaching and Internship (6 semester hours)

- EDST 5372A - Internship in Student Teaching (Full Year)
- EDST 5372B - Internship in Student Teaching (Full Year)

  or
- EDUC 5380 - Student Teaching (One Semester)
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction PRAXIS PLT

Total Hours: 36

Elementary Education (Grades 1-5), M.A.T.

(INITIAL CERTIFICATION)

Required Courses

Knowledge of the learner and the Learning Environment

- EDCI 5340 - Elementary School Curriculum
- EDCI 5440 - The Exceptional Child
- EDCI 5042 - Classroom Organization and Management
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5282 - Survey of Assessment

Methodology and Teaching

- EDCG 5500 - Instructional Technology
- EDCI 5060 - Multicultural Education
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading

Teaching and Internship

- EDST 5372A - Internship in Student Teaching (Full Year)
- EDST 5372B - Internship in Student Teaching (Full Year)

  or
- EDUC 5380 - Student Teaching (One Semester)
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction PRAXIS PLT

Total Hours: 36

Elementary/Special Education (Grades 1-5), M.A.T.

Required Courses

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5340 - Elementary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading
- EDCI 5055 - Vocational and Transition Services
- EDCI 5900P - Methods of Teaching Students with Learning Disabilities
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

- EDST 5372A - Internship in Student Teaching
- EDST 5372B - Internship in Student Teaching

or

- EDUC 5380 - Student Teaching
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction (Praxis PLT & Special Ed.)

Total Hours: 36

Middle School/Special Education (Grades 4-8), M.A.T.

(English, Mathematics, Science, Social Studies)

Required Courses

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5380 - Secondary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5055 - Vocational and Transition Services
- EDCI 5900P - Methods of Teaching Students with Learning Disabilities
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

- EDST 5372A - Internship in Student Teaching
- EDST 5372B - Internship in Student Teaching

or

- EDUC 5380 - Student Teaching
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction (Praxis PLT & Special Ed.))

Total Hours: 36

Secondary Education (Grades 6-12), M.A.T.

(English, Mathematics, Biology, Chemistry, Physics, French, Spanish, Business Education, Social Studies)

Required Courses

Knowledge of the learner and the Learning Environment

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5042 - Classroom Organization and Management
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

Methodology and Teaching

- EDCG 5500 - Instructional Technology
- EDCI 5140 - Reading in the Content Area
- EDCI 5060 - Multicultural Education
- EDCI 5380 - Secondary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction

Teaching and Internship

- EDST 5372A - Internship in Student Teaching (Full Year)
- EDST 5372B - Internship in Student Teaching (Full Year)

  or
- EDUC 5380 - Student Teaching (One Semester)
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction PRAXIS PLT

Total Hours: 36

Secondary/Special Education (Grades 6-12), M.A.T.

(English, Mathematics, Biology, Chemistry, Physics, Social Studies, French, Spanish)

Required Courses

- EDCI 5440 - The Exceptional Child
- EDCG 5090 - Advanced Educational Psychology
- EDCI 5380 - Secondary School Curriculum
- EDCI 5130 - Foundations of Reading Instruction
- EDCI 5170 - Diagnostic/Prescriptive Reading Instruction
- EDCI 5200 - Practicum in Reading
- EDCI 5055 - Vocational and Transition Services
- EDCI 5900P - Methods of Teaching Students with Learning Disabilities
- EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate
- EDCI 5282 - Survey of Assessment

- EDST 5372A - Internship in Student Teaching
- EDST 5372B - Internship in Student Teaching

  or
- EDUC 5380 - Student Teaching
- EDCI 5999 - Comprehensive Examination in Curriculum and Instruction (Praxis PLT & Special Ed.)

Total Hours: 36

Master of Public Health

Health Equity, M.P.H.

The curriculum will be closely structured to reflect the core of public health, with additional courses that will be geared towards health equities. The curriculum will require students to complete 45 hours and will have both a thesis and a non-thesis option. Students will be required to complete 27 hours of required core courses that are listed below:

- PHLT 5010 Environmental Health and Toxicological Issues
- PHLT 5020 Epidemiologic Methods in Racial and Ethnic Disparities
- PHLT 5030 Health Equity Principles and Practices
- PHLT 5040 Applied Biostatistics
- PHLT 5050 Public Health Policy
- PHLT 5060 Determinants of Health Equity
- PHLT 5999 Graduate Practicum and Capstone

In addition, students will also select 18 hours of Public Health Electives that include:

- PHLT 5500 Current Issues in Health Equities Core Seminar
- PHLT 5510 Community Based Research
- PHLT 5520 Health Literacy and Cultural Communication
- PHLT 5530 Qualitative and Quantitative Research Methods
- PHLT 5700 Advanced Methods for Planning and Implementing and Evaluating Health Promotion Programs/ [Intervention Mapping]
- PHLT 5710 Computer Applications [SPSS, STATA and GIS]
- PHLT 5720 Collaborative Leadership
- PHLT 5731 Independent Study
- PHLT 5732 Independent Study
- PHLT 5733 Independent Study
- PHLT 5740 Political Economy of Social Inequalities and its Consequences for Health and Quality of Life
- PHLT 5750 Implementation of Research and Practice
- PHLT 5760 Ethnicity, Race, Class & Gender: A Multicultural Public Health Perspective
- PHLT 5770 Chronic Disease Epidemiology and Prevention
- PHLT 5780 Infectious Disease Epidemiology

First Year

Fall Semester

- PHLT 5050 - Public Health Policy
- PHLT 5010 - Environmental Health and Toxicological Issues
- PHLT 5020 - Epidemiologic Methods in Racial and Ethnic Disparities
- PHLT 5030 - Health Equity Principles and Practices

Semester Hours: 12

Spring Semester

- PHLT 5060 - Determinants of Health Equity
- PHLT 5040 - Applied Biostatistics
- Public Health Electives (6)

Semester Hours: 12

Summer Semester

- Public Health Electives (9)

Semester Hours: 9

Second Year

Fall Semester

- PHLT 5999 - Graduate Practicum and Capstone *
- Public Health Elective (3)

Semester Hours: 12

Total Hours: 45

*Graduate Practicum can also be taken during the summer.

Speech-Language Pathology, M.S.

The Master's program in Speech-Language Pathology at Xavier University of Louisiana is an Applicant for Candidacy by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association, 2200 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or 301-296-5700. Pending pre-accreditation

The program is intended to be completed in two calendar years or five-six academic semesters, including summers. Students will obtain coursework that may include distance learning, in class, and/or hybrid teaching and clinical practica both on and off campus in at least three different settings (clinic, school, hospital/rehabilitation center/nursing facility). The curriculum includes 51 semester hours.

First Year

Fall Semester

- SPTH 5000 - Neuroanatomy
- SPTH 5010 - Language Learning Disorders
- SPTH 5030 - Research Methods
- SPTH 5070 - Clinical Practicum I

Semester Hours: 11

Spring Semester

- SPTH 5015 - Diagnostic Methods
- SPTH 5050 - Dysphagia

- SPTH 5025 - Aphasia & Cognitive Disorders
- SPTH 5075 - Clinical Practicum II

Semester Hours: 11

Summer Semester

- SPTH 5035 - Voice Disorders
- SPTH 5040 - Early Intervention
- SPTH 5080 - Clinical Practicum III

Semester Hours: 8

Second Year

Fall Semester

- SPTH 5020 - Motor Speech Disorders
- SPTH 5045 - Augmentative & Alternative Communication
- SPTH 5055 - Fluency Disorders
- SPTH 5085 - Clinical Practicum IV

Semester Hours: 11

Spring Semester

- SPTH 5060 - Multicultural Issues
- SPTH 5065 - Professional Issues
- SPTH 5090 - Externship

Semester Hours: 10

Total Hours: 51

Master of Theology

Theology, Th.M.

This program is intended for college graduates who desire a holistic, inter-disciplinary theological program to form them to participate in the Christian mission in the Black community and the Church at-large as theologically and culturally competent ordained, religious or lay ecclesial ministers. It is also intended for graduate students or ministers on sabbatical who wish to enrich their general theological studies by exploring the Catholic theological tradition and its particular meanings for the social and spiritual experience of Black peoples in the United States and the broader Pan African World. The program is also preparation for graduate students who plan to pursue terminal degrees in theology or other disciplines.

The Th.M. program blends rigorous academic work with community-based learning to equip students with methodological tools for critical study, understanding, analysis, and evaluation. At the same time, the program assists students in integrating theory and praxis, theology and pastoral ministry. Such integration should lead to an intellectually grounded faith, holistic personal growth, and effective ministry skills that contribute to the continual building up of the faith community.

The Master of Theology (Th.M.) degree program currently offers two tracks that enable students to focus their studies within a specific academic discipline: Track 1 - Urban Catholic Education/Catechesis. This track prepares students currently working or seeking future employment and or ministry opportunities as teachers, religious educators, or directors of religious education. Track 2 - Word & Worship (Liturgy & Preaching.) This track prepares students lay and ordained, to serve as liturgists, pastoral ministers, pastoral musicians or preachers within ecclesial or academic settings.

As an integral part of its programs, the Institute expects students to fully participate in all aspects of community life, liturgical experiences, the formation program, cultural events, shared meals, and collaborative study groups which are all part of the Institute "experience." To facilitate the realization of these goals, all participants are strongly encouraged to live on campus during the summer session.

- **WRITTEN QUALIFYING AND COMPREHENSIVE EXAMINATIONS**

A written qualifying examination is required of every candidate for a master's degree. Ordinarily students must take this exam after successfully completing IBTH 5010 and two to three additional core courses in the Master's Program. The qualifying exam serves as an opportunity for a detailed review of material encountered in those courses designed as the Core and Area Requirements for the Th. M. Degree Program. An oral examination may also be required if the faculty deems it necessary.

Comprehensive examinations are taken after the completion of all degree requirements, i.e., course work, research paper and practicum. The comprehensive is an oral exam that reviews the student's comprehension of his/her theological studies and their implication for pastoral practice. It is usually administered during the term in which the candidate for the degree is registered for graduation and/or the last three hours of credit. In the latter case, the student must have completed all core courses in the area of concentration. The written comprehensive examination is designed to test the candidate's mastery of his or her major field as indicated by his/her research topic and practicum.

THESIS (MAJOR RESEARCH PAPER)

The thesis should be an in-depth study by the student on a topic agreed upon with the Research Advisor. It is an independent project, but the Degree Faculty recommends strongly that, whenever possible, it be related to the Practicum. Students are strongly encouraged to design and prepare the thesis or major research paper so that it provides the theological and theoretical foundation for the Practicum project. The signed comments of two (2) readers awarding the grade are to be filed in the Office of the Institute for Black Catholic Studies. The student should refer to the *IBCS Handbook of Policies, Procedures, and Information for the Master's Degree, An Interdisciplinary Degree in Pastoral Studies* for specific details on planning and completing the major research paper.

- **PRACTICUM**

Students may do two types of praxis projects:

- Practicum Plan A entails supervised work in the Black community, and it represents an initiative directed toward systemic change in pastoral ministry among Black Catholics.
- Practicum Plan B requires the student to complete an historical essay integrating oral history and archival research.

The student should refer to the *IBCS Handbook of Policies, Procedures, and Information for the Master's Degree in Theology, An Interdisciplinary Degree in Pastoral Studies* for specific details on planning, completing and evaluating the Practicum.

- **ORAL COMPREHENSIVE EXAM**

The purpose of the Oral Comprehensive Examination is to provide a structured opportunity for the student to demonstrate her or his integration of learning and insights form course work, the Practicum Project, and the Major Research Paper. More broadly, the goal of the Examination is to allow the student to illustrate how the Practicum experience is related to the educational work of the IBCS. At the same time, the student must be

prepared to demonstrate the practical effect and benefits of the project for the larger Black community, and for other ministers serving the Black community. The student should refer to the *IBCS Handbook of Policies, Procedures, and Information for the Master's Degree in Theology, An Interdisciplinary Degree in Pastoral Studies* for specific details on the Oral Comprehensive Examination.

General Requirements

Semester Hours	
Total Requirements	**36**
Introductory and Core Courses	15
Electives	15
Practicum (Thesis and Praxis)	6

Sequence of Courses

Introductory

(Required of all first year students)

- IBTH 5010 - Black Approaches to Theology
- IBTH 5997 - Integrative Colloquium

Core Courses

- IBTH 5020 - History of Black Catholicism
- IBTH 5030 - Black Approach to Scripture
- IBTH 5060 - Black Psychology
- IBTH 5600 - Moral Questions in the Black Community
- ELECTIVES (see below) (5 Courses Required)

Qualifying Exam

- IBTH 5999 - Qualifying Examination

Integrative Exercises

- IBTH 6000 - Practicum
- IBTH 7000 - Comprehensive Examination

Total Hours: 36

Notes:

Students must notify the Associate Director for the Degree Program of their intention to take the comprehensive examinations the summer before they expect to graduate.

The Th.M. in Theology Degree offers two tracks: (a) Education and Catechesis and (b) Word & Worship (Liturgy & Preaching). Degree students are allowed to concentrate in one of these two tracks after completing the 21 credit hours in Introductory and Core Courses. Permissible courses are listed in the Xavier University Course Catalogue as well in the IBCS student handbook. Degree students, who do not wish to concentrate in the two tracks, have the option of taking other courses in the IBCS curriculum to complete the general Th.M. Degree.

Master of Theology Electives

Required Areas

Theology: One course from Systematics: IBTH 5081 and IBTH 5095

Aesthetics: One course from Aesthetic: IBTH 5060, IBTH 5425, IBTH 5430, and IBTH 5440

Systematics

- IBTH 5081 - Christology
- IBTH 5095 - Church: The Mission
- IBTH 5100 - African, Black Theology, and Liberation Theologies

Philosophy

- IBTH 5110 - Black Philosophy

History

- IBTH 5025 - Black Saints
- IBTH 5200 - History of the Black Church in the U.S.A.
- IBTH 5210 - History of Black Religious Movements and Organization
- IBTH 5224 - African Middle Ages

Aesthetics

- IBTH 5040 - Black Religion and the Arts
- IBTH 5425 - Slave Narratives
- IBTH 5430 - Spirituality of Black Literature
- IBTH 5440 - The Spirituals

Spirituality

- IBTH 5220 - History of Black Spirituality
- IBTH 5700 - Major Themes in Black Religious Experience
- IBTH 5710 - Black Spirituality

Advanced Courses

- IBTH 5997 - Integrative Colloquium
- IBTH 5998 - Directed Readings

Track 1: Concentration-Urban Catholic Education/Catechesis

- IBTH 5050 - Catechetics
- IBTH 5110 - Black Philosophy
- IBTH 5400 - Religion and Culture
- IBTH 5620 - Urban Education in the Black Community
- IBTH 5625 - Catholic Education in the Black Community
- IBTH 5664 - Leadership Styles in Ministry
- IBTH 5665 - Issues in the Black Family
- IBTH 5670 - Spiritual Direction/Formation
- IBTH 5998 - Directed Readings

Track 2: Concentration-Word & Worship - Liturgy and Preaching

- IBTH 5050 - Catechetics
- IBTH 5070 - Black Preaching I
- IBTH 5071 - Black Preaching II
- IBTH 5080 - Black Approaches to Sacraments
- IBTH 5120 - Principles of Liturgy/Black Celebration
- IBTH 5400 - Religion and Culture
- IBTH 5410 - Seminar: Black Literature and Religion
- IBTH 5420 - Seminar: Black Literary Criticism
- IBTH 5425 - Slave Narratives
- IBTH 5430 - Spirituality of Black Literature
- IBTH 5440 - The Spirituals
- IBTH 5445 - Black Religious Music
- IBTH 5450 - Liturgical Planning and Development
- IBTH 5998 - Directed Readings

Doctor of Education

Educational Leadership, Ed.D.

The terminal degree in educational leadership is designed to prepare visionary leaders who are socially just, promote reflection, and foster transformation in an ever changing profession. This action-oriented program focuses on leadership values that include social justice and inclusion of all organization's stakeholders.

Required Courses

60 hours - Three Years - Cohort Program

Fall First Year

- EDLD 6000 - Advanced Visionary Leadership

- EDLD 6002 - Current Problems & Issues in Educational Leadership
- EDLD 6008 - Leadership Theory and Behavior

Spring First Year

- EDLD 6010 - Long Range Planning and Data Analysis
- EDLD 6030 - Leading a Professional Learning Community
- EDLD 6018 - Special Problems in Research in Educational Leadership

Summer First Year

- EDLD 6012 - Advanced Educational Law
- EDCG 6000 - Research Methodology and Statistics in Education

Fall Second Year

- EDLD 6020 - School Business Management
- EDLD 6050 - Organizational Behavior and Human Resource Management
- EDCG 6010 - Quantitative Research Methods

Spring Second Year

- EDLD 6040 - The Urban School: Leading to Promote Learning in a Diverse Setting
- EDLD 6060 - Current Issues in Special Education Leadership
- EDCG 6012 - Qualitative Research Methods

Summer Second Year

- EDLD 6014 - Education in the Urban Community
- EDLD 6025 - Organizations and Policy
- EDLD 6999O - Oral Qualifying Exam
- EDLD 6999W - Written Qualifying Exam

Fall Third Year

- EDLD 6996 - Dissertation

Spring Third Year

- EDLD 6996 - Dissertation

Total Credit Hours: 60

Note: If additional time is needed to complete the dissertation, candidates can enroll in the following courses after the third year: EDLD 6991 and EDLD 6992.

College of Pharmacy

Dean's Office: Qatar Pavilion 218 - (504) 520-7500 - https://www.xula.edu/collegeofpharmacy

General Information

The College of Pharmacy prepares healthcare professionals to positively impact the health of the state of Louisiana and beyond. Our graduates are knowledgeable across their respective disciplines, prepared to provide healthcare to medically underserved communities, and committed to life-long learning to better assist in providing care to their patients. The College of Pharmacy houses two health profession programs. The Doctor of Pharmacy (Pharm.D.) Program is a four year, 147(8) credit hour program that provides a comprehensive entry-level professional education that consists of service learning, academic, and experiential coursework. The Master of Health Sciences in Physician Assistant Studies (MHS) program is a full-time, 95-credit hour master's program that spans 28 months of combined academic and clinical coursework.The College of Pharmacy also houses the Master of Science in Pharmaceutical Sciences program. This 30 semester hour program is designed for students with an interest in careers in drug discovery research, or for those interested in pursuing advanced training in pharmacy, graduate, or medical programs.

Doctor of Pharmacy (Pharm.D.) Program

The Xavier University Pharm.D. Program holds a place of distinction among the nation's colleges of pharmacy. From its origin, this program has been dedicated to bringing minorities into the learned and respected profession of pharmacy. For years, Xavier has been among the top four producers in the nation of African Americans with a Doctor of Pharmacy degree. Even with that commitment to minority education, the College welcomes and remains open to all races.

The mission of the Xavier University of Louisiana College of Pharmacy Pharm.D. Program is to prepare pharmacists to impact the medically underserved communities, particularly African Americans, in an effort to eliminate health disparities through patient-centered care, community service, and scholarly work.

To achieve this mission, the curriculum provides:

1. Instruction in the physical, chemical, biological and behavioral sciences, and management;
2. A clinical component designed to develop graduates skilled in:
    a. Monitoring and evaluating drug therapy,
    b. Engaging in drug distribution activities,
    c. Providing drug information to other members of the health care team and to the public, and
    d. Effectively relating to and communicating with patients and other health care professionals;
3. Motivation to increase competency after graduation through continuing education; and,
4. An opportunity to engage in meaningful scientific research as a preparation for further study in pharmaceutical and clinical sciences.

Students benefit from expert guest lecturers and receive experiential training from preceptors in an array of community pharmacies, hospitals and other health care facilities in the greater New Orleans area, throughout the state and in select facilities across the country.

Admission to the Pharm.D. Program

Students seeking admission to the Pharm.D. Program must successfully complete the required prerequisite courses with a minimum grade of "C" prior to being admitted. Please refer to the COP website for detailed information on the required prerequisite courses for internal and external students. Students who are admitted to the COP must satisfy all conditions

stipulated in the acceptance package and present documentation to the COP Office of Student Affairs prior to enrolling for the first year.

The COP Pharm.D. Program utilizes a centralized application system called PharmCAS (www.pharmcas.org) for admission. PharmCAS allows an applicant to upload an application, grade information, references, statement of interest, and TOEFEL scores (where applicable). The applicant must also send official transcripts from all U.S. schools attended and foreign transcript evaluations directly to PharmCAS for verification. After a PharmCAS application is complete, the COP will send applicants materials for admission consideration.

Selected applicants must complete a personal interview as part of the admissions process. Overall and math/science GPA will be considered for admission.

Applicants must adhere to the deadlines as specified on the COP webpage for the following:

PharmCAS documents:

A. PharmCAS application (A PharmCAS fee of $175 is charged for processing);
B. Official transcripts from each college or university attended; if an applicant has had previous college work outside the United States, the applicant must have his/her records evaluated by a U.S. foreign credential evaluation service;
C. Response to admissions question posted on PharmCAS; and
D. Recommendation forms (3 required).

Supplemental information (requested of applicants who have completed the PharmCAS application) includes:

A. Certificate of Financial Support (non-citizens only); and
B. Naturalization papers (if applicable).

Currently, the program requires that all prerequisite math and science courses be completed within ten years of the application process. Math and science courses completed greater than ten years before the application will require a course appeal.

General ethics courses will not be considered in fulfillment of the health ethics requirement at Xavier University. Transfer credit for PHIL 2400 - Health Ethics must be a comparable course in bioethics, medical ethics or health ethics. Any health ethics course completed at an institution other than Xavier will be subject to review.

Any required prepharmacy course that cannot be substituted with courses from the student's transcript must be completed prior to enrollment. Only grades of "C" or better in acceptable courses will transfer to Xavier University.

In general, the COP does not accept transfer students from other colleges or schools of pharmacy. Each request for transfer is evaluated on an individual basis. The COP does not accept transfer credits for incoming P1 students. Students entering the College of Pharmacy are not allowed to transfer credits upon entry. Once enrolled in the College, students may request to take courses at another institution as stated in the Transfer Credit policy found in the Academic & Ethical Handbook.

High school students may be admitted to the COP as part of the **Contingent Admit Program.** This program is designed to admit high-performing high school seniors to the COP upon graduation from high school. To be considered for contingent admission, the student must achieve a minimum composite ACT score of 22 (or equivalent SAT score) and have a minimum cumulative high school GPA of 3.3 or above on a 4.0 scale in a college preparatory high school. Complete details may be found on the COP website at: https://www.xula.edu/contingentadmitprogram.

Pharm.D. Program Academic Policies

The College of Pharmacy Pharm.D. Program academic policies are published in the Academic and Ethical Policies Handbook and updated annually. While a hard copy is provided to all first year students, an electronic version can also be found on the university website at: www.xula.edu/cop/documents/AcademicandEthicalHandbook.pdf.

Transfer Credit

The College of Pharmacy does not accept credits from incoming students for courses taken prior to beginning the program to fulfill pharmacy degree requirements. Current students must obtain permission from the University before taking courses at another institution. A maximum of 9 credits may be transferred to the College for credit toward the Doctor of Pharmacy degree. Please see the Academic and Ethical Policies Handbook for details.

Requirements for the Doctor of Pharmacy Degree

To be eligible for the degree of Doctor of Pharmacy (Pharm.D.), a student must have pursued college level work for a minimum of six years (four of these in the College of Pharmacy). Students must complete 148 (149) semester hours of work in the College of Pharmacy, have a 2.00 grade point average for all courses attempted in the four-year professional curriculum, and successfully pass a comprehensive exam.

Licensure

In addition to graduation from an accredited school of pharmacy, an applicant for examination and licensure in Louisiana must be a United States citizen or have permanent resident status and must have earned 1740 hours of practical experience under the instruction and supervision of a registered pharmacist. These 1740 hours are to be acquired according to the guidelines of the Louisiana State Board of Pharmacy. Graduates are eligible to pursue licensure in states of their choice provided they meet the relevant requirements of those states.

Master of Health Science in Physician Assistant (M.H.S.) Program

Program Office: College of Pharmacy Annex 424H - (504) 520-5119 - https://www.xula.edu/physician-assistant-program

Xavier University of Louisiana Physician Assistant Program represents excellence in teaching the art of medicine. Students are provided with an environment that fosters quality academic and clinical education. The interdisciplinary format of teaching facilitates students to excel in integrative patient care, education, and service to benefit our community. The program, working with Ochsner Health System, provides students with access to state-of-the-art facilities and access to world class minds in medicine. The Xavier University PA Program is committed to helping students to become a dynamic group of well-rounded physician assistants who are ready to lead, serve, and heal.

In the spirit of academic excellence, the mission of the Xavier University Physician Assistant Program is to educate physician assistants to become ethical, competent, and compassionate physician assistants who are dedicated to providing superior quality healthcare that contributes to the promotion of a more just and humane society by improving the healthcare of the diverse communities we serve.

To achieve this mission, the program strives to:

1. Recruit and select diverse and highly qualified applicants who can complete the rigorous Master of Health Sciences in Physician Assistant Studies.
2. Develop a curriculum that prepares students for a PANCE pass rate that is above the national average.
3. Educate physician assistants that practice patient-centered health care in rural and underserved communities.
4. Deliver an educational experience that prepares graduates to collaborate on inter-professional teams.
5. Comply with ARC-PA Standards to obtain and maintain accreditation from the Accreditation Review Commission on Education for the Physician Assistants.

Admission to the Physician Assistant Program

Students seeking admission to the Physician Admission Program must successfully complete the required prerequisite courses with a minimum grade of "C" prior to being admitted. Please refer to the PA website, https://www.xula.edu/physician-assistant-program-how-to-apply, for detailed information on the required prerequisite courses for students. Official GRE scores are required of all applicants, regardless of previous education, degrees, or credentials. Students who are admitted to the program must satisfy all conditions stipulated in the acceptance.

The program utilizes a centralized application system called CASPA (www.caspa.org) for admission. CASPA allows an applicant to upload an application, grade information, references, personal statement, GRE and TOEFEL scores (where applicable). The applicant must also send official transcripts from all U.S. schools attended, foreign transcript evaluations, and GRE scores directly to CASPA for verification.

Selected applicants must appear on campus for a personal interview as part of the admissions process.

Applicants must adhere to the deadlines as specified on the PA Program webpage. Failure to meet the "complete" status requirements by the deadline will result in an incomplete application. Submissions must include:

1. A completed baccalaureate degree from a regionally accredited institution (U.S. Department of Education recognized Institutional Accreditor), or an equivalent institution as determined by Xavier University of Louisiana, is required prior to matriculation into the program;
2. CASPA application, which includes application fee;
3. Official academic transcripts;
4. Official GRE scores
5. Personal Statement;
6. Three letters of reference (at least one letter of reference must be from a practicing PA or Physician who can discuss the applicant's abilities with patients, preferably someone who has supervised the applicant in a clinical setting); personal references from friends or family members are not accepted;
7. A candidate's overall grade point average (GPA), science GPA, and prerequisite GPA, as calculated by CASPA, must be a 3.0 or higher on a 4.0 scale; applicants with an overall GPA below 3.0 are not considered further for admission;
8. Healthcare Experience - Minimum of 80 hours of healthcare experience;
9. Completion of all science prerequisites; and
10. Students must meet and maintain all technical standards in order to be enrolled in, and progress through, the Physician Assistant program.

Applications will not be considered if all prerequisites have not been completed by the application deadline. There is no expiration period for prerequisites. Enrollment in the PA program is only available on a full-time basis.

PA Program Academic Policies

The PA Program academic policies are published in the Program Handbook and updated annually. While a hard copy is provided, a general overview of the academic policies can also be found on the university website at: www.xula.edu/physician-assistant-program-policies.

Requirements for the Master of Health Science in Physician Assistant Studies

To be eligible for the degree of Master of Health Science in Physician Assistant Studies (M.H.S.), a student must have completed the program course of study within four years of the date of matriculation, completed the required curriculum of the PA Program with a minimum grade of "C" in all courses, attained a cumulative grade point average of 3.00 or higher, and passed the written comprehensive exam at the end of the didactic phase and the summative evaluation at the end of the clinical phase.

Licensure

Physician Assistants perform medical services under physician supervision in 50 states, the Territory of Guam and the District of Columbia. The registration or licensure requirements for physician assistants vary from state to state, but generally include certain minimum qualifications, such as graduation from an approved physician assistant program and national certification. The regulatory authority for physician assistants in most states is the board of medical examiners, which handles the registration or licensing of physician assistants, issues regulations governing both physician and physician assistant practice, and enforces provisions of the medical practice and physician assistant practice laws.

A copy of the rules governing physician assistant practice in the state of Louisiana is available online at www.aapa.org. Specific information is also available through the Louisiana Board of Medical Examiners. www.lsbme.org.

Accreditation

PA Programs are accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA). The ARC-PA has granted Accreditation- Provisional status to the Xavier University of Louisiana Physician Assistant Program sponsored by Xavier University of Louisiana.

Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program's ability to meet the ARC-PA Standards or when a program holding Accreditation- Provisional status appears to demonstrate continued progress in complying with the Standards as it prepares for the graduation of the first class (cohort) of students.

Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class.

Master of Science in Pharmaceutical Science

Program Office: College of Pharmacy Annex 425 - (504) 520-7435

The M.S. in Pharmaceutical Sciences program is designed to incorporate laboratory experiences that include skills needed in modern drug discovery and laboratory science. Importantly, the students will be expected to develop competency in the interpretation of experimental results from scientific literature as well as analysis of primary data. The graduate should have an advanced level of comfort in the laboratory setting and should be competitive for jobs in the industrial and academic setting. This program provides an opportunity for students to undergo study beyond a bachelor's degree in the biomedical and pharmaceutical sciences. We expect that this will translate into a significant competitive advantage for our students entering medical, dental, and Ph.D. programs. Additionally, the program will emphasize critical thinking for laboratory and clinical applications, beyond that which is typically available during bachelor levels training.

The M.S. in Pharmaceutical Sciences is a 30 credit hour, two-year program that consists of 12 hours of core courses, 6 hours of thesis research, and 12 hours of pharmaceutical science elective courses. The goals of the program are to:

1. Equip students with a fundamental understanding of the pharmacological and physiochemical properties of drugs/drug preparations, and host factors, and the subsequent impact on pharmacodynamic, pharmacokinetic, and toxicologic of drug actions in humans; and
2. Develop students' critical reasoning skills as it applies to experimental, scientific, ethical, or regulatory concerns in the context of drug discovery research.

In addition to the above, the following learning outcomes have been identified that indicate that upon completion of the program, students will be able to:

1. Apply the fundamental mechanisms by which drugs and xenobiotics affect physiological systems to drug research;
2. Delineate physiochemical principles governing pharmacodynamic and pharmacokinetic properties of drugs;

3. Recognize the impact of individual host factors (pharmacogenomics, disease state, drug interactions, etc.) on the efficacy and safety of drugs;
4. Assess the contributions of pharmaceutical drug preparations to the effectiveness and safety of drug therapy;
5. Critically evaluate theoretical and methodological aspects of scientific literature, with a focus on drug discovery studies; and
6. Critically evaluate and apply the ethical considerations in science for both clinical and basic research studies.

Admission to the M.S. in Pharmaceutical Science Program

The admissions requirements consist of official transcripts that indicate the completion of an undergraduate degree in pharmacy, chemistry, biology, or a related discipline, a minimum cumulative GPA of 3.0, official GRE scores, a personal statement, and three (3) letters of recommendation. Applicants must have demonstrated proficiency in verbal and written English and in fundamental scientific areas such as organic and physical chemistry, biochemistry, biology, mathematics, statistics and computer science.

International applicants will be required to submit information consistent with those items listed in the University Catalog; this includes official TOEFL (Test of English as a Foreign Language) scores.

Transfer Credit

For the MS of Pharmaceutical Sciences, a maximum of 9 graduate credit hours will be accepted for graduate transfer credit from incoming and continuing students, pending course review by COP faculty members with related expertise. Any graduate courses taken at other institutions while in the MS program are subject to prior approval by the division chair or dean of the college of pharmacy. Transfer credit cannot be used to replace any requirements directly related to thesis research.

Requirements for the Master of Science in Pharmaceutical Science

To graduate, students must complete 30 credit hours of coursework that includes 12 credit hours of core courses, 6 hours of thesis research, and 12 credit hours of pharmaceutical sciences electives. Students must maintain a minimum 3.0 average and remain in good academic standing with the program.

Master of Health Science

Physician Assistant Studies, M.H.S.

The Physicians Assistant program is a 28-month master in health science degree program that has a 12-consecutive month didactic phase and 16 month clinical phase. In the spirit of academic excellence, the mission of the Xavier University Physician Assistant Program is to educate physician assistants to become ethical, competent, and compassionate physician assistants who are dedicated to providing superior quality healthcare that contributes to the promotion of a more just and humane society by improving the healthcare of the diverse communities we serve.

First Year

Spring Semester

- PHAS 5011 - Basic Science I
- PHAS 5021 - Clinical Medicine I

- PHAS 5041 - Pharmacotherapeutics I
- PHAS 5051 - Patient Assessment I
- PHAS 5061 - The Patient and the PA I
- PHAS 5071 - PA Professional Practice
- PHAS 5081 - Community Outreach Project I

Semester Hours: 15

Summer Semester

- PHAS 5012 - Basic Science II
- PHAS 5022 - Clinical Medicine II
- PHAS 5031 - Clinical Laboratory Medicine I
- PHAS 5042 - Pharmacotherapeutics II
- PHAS 5052 - Patient Assessment II
- PHAS 5062 - The Patient and the PA II
- PHAS 5072 - Medical Informatics
- PHAS 5082 - Community Outreach Project II

Semester Hours: 17

Fall Semester

- PHAS 5013 - Basic Science III
- PHAS 5023 - Clinical Medicine III
- PHAS 5032 - Clinical Laboratory Medicine II
- PHAS 5043 - Pharmacotherapeutics III
- PHAS 5053 - Patient Assessment III
- PHAS 5063 - Intercultural Communications
- PHAS 5083 - Community Outreach Project III
- PHAS 5093 - Clinical Integration
- PHAS 5221 - Interprofessional Experience

Semester Hours: 18

Second Year

Spring Semester

- PHAS 5111 - Supervised Practice-Family Medicine
- PHAS 5121 - Supervised Practice-Internal Medicine
- PHAS 5131 - Supervised Practice-Pediatrics

Semester Hours: 12

Summer Semester

- PHAS 5141 - Supervised Practice-General Surgery
- PHAS 5151 - Supervised Practice-Emergency Medicine
- PHAS 5161 - Supervised Practice-Behavioral Health

Semester Hours: 12

Fall Semester

- PHAS 5171 - Supervised Practice-Women's Health
- PHAS 5181 - Supervised Practice-Elective
- PHAS 5191 - Supervised Practice-Elective

Semester Hours: 12

Third Year

Spring Semester

- PHAS 5211 - PA Externship Elective I
- PHAS 5212 - PA Externship Elective II
- PHAS 5231 - Summative Course
- PHAS 5241 - Capstone Project

Semester Hours: 9

Total Hours: 95

Master of Science

Pharmaceutical Sciences, M.S.

The M.S. in Pharmaceutical Sciences is a 30 credit hour, two year program that consists of 12 hours of core courses, 6 hours of thesis research, and 12 hours of pharmaceutical science elective courses.

First Year

Fall Semester

- PHSC 5500 - Techniques in Drug Discovery and Biotechnology
- PHSC 5510 - Ethical Practices in Biomedical Research
- PHSC 5520 - Seminar in Pharmaceutical Sciences I
- PHSC 5540 - Principles of Drug Action I

Semester Hours: 6

Spring Semester

- PHSC 5530 - Seminar in Pharmaceutical Sciences II
- PHSC 5550 - Principles of Drug Action II
- PHSC 5560L - Pharmaceutical Analysis Lab
- PHSC Elective (1-3)

Semester Hours: 7-9

Summer Semester

- PHSC 5700 - Thesis Research

Semester Hours: 2

Second Year

Fall Semester

- PHSC 5700 - Thesis Research
- PHSC Electives (4-6)

Semester Hours: 6-8

Spring Semester

- PHSC 5700 - Thesis Research
- PHSC Elective (4-6)

Semester Hours: 6-8

Minimum Total Required Hours: 30

Doctor of Pharmacy

Entry-Level Professional Program, Pharm.D.

Pharmacy majors should note that health care is a rapidly changing field. To remain current with changes occurring in the practice of pharmacy, the academic program is subject to periodic revision of curricular content and requirements. Although overall program length will not be affected, students currently enrolled at the time of such revision will be held responsible for any new requirements. Opportunity to meet any new requirements will be provided within the constraints of the standard academic calendar. This policy is necessary to assure that graduates are well prepared to assume a

progressive pharmacy practice in a dynamic health care environment. Students should consult with their advisors on a frequent basis to assure that current degree requirements are met.

First Year

First Semester

- PHCL 3610 - Biomedical Immunology
- PHCL 3620 - Human Physiology and Anatomy
- PHCL 3620L - Human Physiology and Anatomy Laboratory
- PHCY 3610 - Drug Information and Literature Evaluation I
- PHCY 3620 - Pharmaceutical Calculations
- PHCY 3101 - The Xavier Pharmacist I
- PHSC 3810 - Pharmacy Biochemistry/Molecular Biology
- PCLN 3601 - Introductory Pharmacy Practice Experience I - Wellness
- PCLN 3630 - Professional Practice
- PCLN 3630L - Professional Abilities Lab (PAL) I

Semester Hours: 18

Second Semester

- PHCL 3630 - Human Physiology and Anatomy
- PHCT 3050 - Pharmaceutics I
- PHCT 3050L - Pharmaceutics I Laboratory
- PHSC 3650 - Pharmacy Biotechnology and Pharmacogenomics
- PHSC 3910 - Medicinal Chemistry/ Pharmacology (MCP) I
- PHCY 3102 - The Xavier Pharmacist II
- PCLN 3605 - Introductory Pharmacy Practice Experience I- Community
- PCLN 3700 - Introduction to Therapeutics

Semester Hours: 18

Second Year

First Semester

- PCLN 4630L - Professional Abilities Lab (PAL) II
- PCLN 4770 - Therapeutics: Immunology & Rheumatologic Diseases
- PCLN 4771 - Therapeutics: Dermatology & Respiratory Diseases
- PCLN 4775 - Therapeutics: Fluids/Electrolytes/Renal
- PCLN 4772 - Therapeutics: Cardiology I
- PCLN 4776 - Therapeutics: Cardiology II
- PHCT 4550 - Pharmaceutics II
- PHSC 4910 - Medicinal Chemistry/Pharmacology (MCP) II
- PHAD 4220 - Public Health/Epidemiology

- PCLN 4603 - Introductory Pharmacy Practice Experience II-Patient Interview
  or
- PCLN 4602 - Introductory Pharmacy Practice Experience II-Institutional

Semester Hours: 18

Second Semester

- PCLN 4640L - Professional Abilities Lab (PAL) III
- PCLN 4773 - Therapeutics: Endocrine
- PCLN 4774 - Therapeutics: Gastroenterology & Hepatology
- PCLN 4777 - Therapeutics: Neurology
- PCLN 4778 - Therapeutics: Psychiatry
- PHCY 4610 - Drug Information and Literature Evaluation II
- PHCT 4800 - Biopharmaceutics and Basic Pharmacokinetics
- PHSC 4920 - Medicinal Chemistry/Pharmacology (MCP) III

- PCLN 4602 - Introductory Pharmacy Practice Experience II-Institutional
  or
- PCLN 4603 - Introductory Pharmacy Practice Experience II-Patient Interview

Semester Hours: 18

Third Year

First Semester

- PCLN 5610L - Professional Abilities Lab (PAL) IV
- PCLN 5310 - Therapeutics: Infectious Disease I
- PCLN 5320 - Therapeutics: Infectious Disease II
- PCLN 5330 - Therapeutics: Oncology
- PHAD 5220 - Pharmacoeconomics and Health Outcomes
- PHSC 5910 - Medicinal Chemistry/Pharmacology (MCP) IV
- PHCY 5610 - Drug Information and Literature Evaluation III

- PHAD 5120 - Seminar in Pharmacy Ethics
  or
- PHCY 5601 - Interprofessional Education

- PCLN 5601 - Introductory Pharmacy Practice Experience III - Clinical
  or
- PCLN 5602 - Introductory Pharmacy Practice Experience III - Medication Counseling

Semester Hours: 17

Second Semester

- PCLN 5620L - Professional Abilities Lab (PAL) V
- PCLN 5440 - Therapeutics: Transplant/Obesity
- PCLN 5450 - Therapeutics: Men's/Women's Health
- PCLN 5460 - Therapeutics: Pediatrics/Geriatrics
- PCLN 5470 - Therapeutics: Nutrition/Critical Care
- PHAD 5320 - Pharmacy Management
- PHAD 5420 - Pharmacy Law

- PHCY 5601 - Interprofessional Education
  or
- PHAD 5120 - Seminar in Pharmacy Ethics

- PCLN 5602 - Introductory Pharmacy Practice Experience III - Medication Counseling

- PCLN 5601 - Introductory Pharmacy Practice Experience III - Clinical
  or
  Pharmacy Elective (2-3)

Semester Hours: 16(17)

Fourth Year

(Including Summer Session)

Seven 6-Week Rotations

(6 semester hours each)

- PCLN 6301 - Community Pharmacy Practice
- PCLN 6302 - Community Pharmacy Practice Elective I
- PCLN 6303 - Community Pharmacy Practice Elective II
- PCLN 6304 - Community Pharmacy Practice Elective III
- PCLN 6305 - Hospital Pharmacy Practice
- PCLN 6306 - Hospital Pharmacy Practice Elective I
- PCLN 6307 - Hospital Pharmacy Practice Elective II
- PCLN 6308 - Hospital Pharmacy Practice Elective III
- PCLN 6312 - Ambulatory Care Practice
- PCLN 6313 - Ambulatory Care Practice Elective I
- PCLN 6314 - Ambulatory Care Practice Elective II
- PCLN 6315 - Ambulatory Care Practice Elective III
- PCLN 6322 - Acute Care-Internal Medicine Practice
- PCLN 6323 - Acute Care Practice Elective I
- PCLN 6324 - Acute Care Practice Elective II
- PCLN 6325 - Acute Care Practice Elective III
- PCLN 6332 - Drug Information Services
- PCLN 6335 - Inpatient Infectious Disease Elective
- PCLN 6336 - Outpatient Infectious Disease Elective
- PCLN 6337 - Diabetes Education and Management Elective
- PCLN 6338 - Women's Health Services Elective

- PCLN 6339 - Asthma Education & Management Elective
- PCLN 6340 - Intensive Critical Care Pharmacotherapy Elective
- PCLN 6350 - Pharmacy Compounding Practice Elective
- PCLN 6351 - Home Infusion Pharmacy Elective
- PCLN 6352 - Nuclear Pharmacy Practice Elective
- PCLN 6353 - Hospice Pharmacy Practice Elective
- PCLN 6354 - Specialty Hospital Practice Elective
- PCLN 6355 - Long Term Care Pharmacy Practice Elective
- PCLN 6359 - Pharmacy Benefit Management Elective
- PCLN 6360 - Chain Pharmacy Management Elective
- PCLN 6361 - Professional Organizations Practice Elective
- PCLN 6362 - Health System Pharmacy Management Elective
- PCLN 6363 - Pharmaceutical Sales & Liaison Services Elective
- PCLN 6405 - Research Elective: Minority Health & Health Disparities Research I
- PCLN 6406 - Research Elective: Minority Health & Health Disparities Research II
- PCLN 6407 - Research Elective: Minority Health & Health Disparities Research III
- PCLN 6408 - Research Elective: Basic Pharmaceutical Sciences I
- PCLN 6409 - Research Elective: Basic Pharmaceutical Sciences II
- PCLN 6410 - Research Elective: Basic Pharmaceutical Sciences III
- PCLN 6413 - Research Elective: Clinical Research and Scholarship I
- PCLN 6414 - Research Elective: Clinical Research and Scholarship II
- PCLN 6422 - Academic Teaching Elective
- PCLN 6501D - Professional Experience Program Meetings I
- PCLN 6502D - Professional Experience Program Meetings II

Summary: Entry-level Professional Program

Doctor of Pharmacy

	Semester Hours
Pharmacy Administration	10
Clinical Pharmacy	85
Pharmaceutics	10
Pharmaceutical Sciences	23
Pharmacology	9
Pharmacy (required)	8
Pharmacy Elective	2(3)

Total Semester Hours: 147(148)

College of Pharmacy Course Symbols

Division of Clinical and Administrative Sciences:

PCLN --	**Clinical Pharmacy**
PHAD --	**Pharmacy Administration**
PHCY --	**Pharmacy**

Division of Basic Pharmaceutical Sciences:

PHCL --	**Pharmacology**
PHCT --	**Pharmaceutics**
PHCY --	**Pharmacy**
PHSC --	**Pharmaceutical Sciences**

Course Descriptions

The Fall (Fa), Spring (Sp), or Summer (Su) semesters indicated are expected but are not guaranteed. Service Learning courses are denoted by SL. Core Curriculum courses are denoted by the appropriate designation. Click here for more information: The Core Curriculum.

Accounting

ACCT 1010 - Principles of Accounting

Application of GAAP accounting principles of sole proprietorship, partnerships, and corporations, including Statement of Cash Flows and financial statement analysis. Prerequisite: None **(3, FaSpSu)**

ACCT 2010 - Intermediate Accounting I

Nature and content of balance sheet accounts, principles of their determination. Interpretation of financial statements according to GAAP. Courses must be taken in sequence. Prerequisite(s): ACCT 1010 **(3, Fa)**

ACCT 2020 - Intermediate Accounting II

Nature and content of balance sheet accounts, principles of their determination. Interpretation of financial statements according to GAAP. Courses must be taken in sequence. Prerequisite(s): ACCT 1010 and ACCT 2010 **(3, Sp)**

ACCT 2050 - Managerial Accounting

Managerial accounting provides information to managers who plan, direct and control the operations of a business. It provides the essential data with which businesses are actually run. This course will familiarize students with the use of this accounting data as a managerial decision making tool, as well as, accounting statements, budgets, and ratios pertaining to analyses of situations that students will encounter in the management of a business. Prerequisite(s): ACCT 1010 **(3, FaSp)**

ACCT 3010 - Advanced Accounting

Advanced phases of partnership and corporation accounting, consolidated balance sheets, profit and loss statements according to GAAP, and issues in international accounting. Prerequisite(s): ACCT 2020 **(3, Fa)**

ACCT 3030 - Tax Accounting

Federal Income Tax provisions and procedures; problems of computing gross income, deductions, credits against net income, tax liability; preparation of tax returns; special taxes; commercial accounting practices and tax accounting provisions according to I.R.S. code. Prerequisite(s): None. Corequisite(s): ACCT 3030L. **(3)**

ACCT 3030L - Tax Accounting

This course serves as the applied component to the Tax Accounting Class ACCT 3030. Students receive real world experience by preparing tax returns with the VITA site housed on Xavier's campus during the semester. Students must complete online training and certification through the IRS.gov website to become a certified volunteer tax preparer. Prerequisite(s): None. Corequisite(s): ACCT 3030. **(1)**

ACCT 3040 - Auditing

Accepted principles and practices of auditing that underlie balance sheets, detailed and continuous audits; auditor's certificate and audit reports according to GAAS and GAAP. Prerequisite(s): ACCT 2020 **(3, Sp)**

ACCT 3070 - Cost Accounting

Accounting factors of manufacturing and distribution of cost, use of entries, books, records, reports in modern cost systems according to GAAP. Prerequisite(s): ACCT 2020 **(3, Fa)**

ACCT 3090 - Governmental Accounting

Accounting principles and practices of governmental agencies and other not-for-profit organizations. Accounting for various governmental funds emphasized according to GASB and GAAP. Prerequisite(s): ACCT 2020 **(3, Sp)**

ACCT 4000 - Seminar

Selected topics in accounting. The use of personal computers in processing accounting data, management reports and financial decision making according to GAAP. Prerequisite(s): ACCT 3010 and senior standing. **(3, Sp)**

ACCT 4040 - Advanced Tax Accounting

Federal Income Tax provisions and procedures relative to partnerships, decedents, estates, trusts, corporations; securities; pensions, foreign income, self-employment; estimated tax, audit; estate and gift taxes; tax research according to I.R.S. code. Prerequisite(s): None **(3, Fa)**

ACCT 4999 - Senior Comprehensives

Prerequisite(s): Senior standing. **(0, FaSp)**

African American and Diaspora Studies

AADS 1050 - Exploration of Afro Latin America and Caribbean Studies

(ALCS 1050) This course is an introduction to and exploration of the world of Afro Latin America and the Caribbean in terms of its historical development, its cultural context, and its diverse, extensive, and pervasive African influences throughout the region, and consequently, the world. An examination of African contributions in this geographical region will result in an interdisciplinary perspective of knowledge across the spectrum of human behavior that has extended throughout the Americas and the Western world. Taught in English. **(3)**

AADS 2000 - Introduction to African American History and Culture

This course is an introductory survey of the history and culture of African Americans and a further examination of their philosophical and intellectual traditions. In the course, students are introduced to the African origins of African Americans, an interdisciplinary examination of their sociocultural development in the American context, and an investigation of their contributions to the development of United States history and culture. **(3, EXPLORATIONS/African American Heritage & Legacies, FaSpSu)**

AADS 2010 - Introduction to African American Social Sciences

This course will introduce students to a general conceptual framework for ordering the social/behavioral theories and methods that people of African descent have used to interpret and understand African American life experiences. In the course, students will be introduced to an interdisciplinary examination of areas of critical inquiry pertaining to the diversity and complexity of the African American experience as it relates to the social sciences. Particular emphasis will be placed on how variables associated with academic areas such as anthropology, communications, political economy, psychology, sociology, and popular culture interact with and impact African Americans. **(3, EXPLORATIONS/African American Heritage & Legacies)**

AADS 2030 - Introduction to the Afro-Francophone World

ALCS 2030 (taught in English). A survey of selected international Francophone oral and written literature and the social, cultural and historic factors that have given rise to their development throughout the Francophone societies of Africa and the New World Diaspora, particularly in the Antilles. **(3)**

AADS 2050 - Readings on Afro Latin America and the Caribbean

ALCS 2050 A survey of selected readings on the Black presence in Latin America and the Caribbean by Afro Latin American, Caribbean, and mainstream authors of literature through their transformation and development into a corpus of literary works throughout Latin America. This elective culture course is not a substitute for major, minor, literature or language-based requirements. Readings will be literary, cultural and historical. This course may be offered either in a target language or in English. **(3)**

AADS 2060 - Race and Ethnic Relations

(SOCI 2060) This course is concerned with examining issues, problems, and research findings on race, ethnic, and minority group relations. Emphasis is on U.S. Black-White relations, American ethnic groups, religious conflict, and racial and ethnic group contacts in Europe, Asia, Africa, and Latin America. **(3, EXPLORATIONS/African American Heritage & Legacies)**

AADS 2080 - African American Philosophy

(PHIL 2080) This course studies philosophical issues associated with the African American experience. This course will increase the student's knowledge of the nature of African American philosophy, the concepts of race and culture, the nature of racism and discrimination, and the justifiability of affirmative action. Prerequisite: Completion of any required developmental Reading course. **(3, EXPLORATIONS/African American Heritage & Legacies)**

AADS 2130 - Afro-American Music

(MUSH 2130) Music of the African American, Part 1. **(3, EXPLORATIONS/African American Heritage & Legacies)**

AADS 2140 - Afro-American Music

(MUSH 2140) Music of the African American, Part 2. **(3)**

AADS 2440 - Black Politics

(PSCI 2440) Basic approaches to the study of Black politics. An examination of the nature of racism and the methods employed by Blacks to overcome oppression. Prerequisite(s): None **(3, FaSu)**

AADS 2600 - Africa and the World

(HIST 2600) Survey of the history of Africa within a global perspective. Course themes include early kingdoms in North Africa, the early influence of Christianity and Islam on African societies, Africa's early contacts with Europeans, and the eras of the Atlantic Slave trade, colonialism, nationalism, and contemporary Africa. Prerequisites: None **(3, EXPLORATIONS/African American Heritage & Legacies, EXPLORATIONS/Human Past)**

AADS 3020 - Special Topics in African American and Diaspora Studies

(XCOR 3020, ALCS 3015) This course is designed to more fully develop topics, genres, periods, and texts that are touched upon in the Introduction to African American History and Culture course (AADS 2000). The course is taught from an interdisciplinary perspective that emphasizes methodologies and approaches from both the humanities and the social sciences. The course may be taken up to three times as long as the content differs in the three Topics courses selected by an individual student. **(3, EXPLORATIONS/Human Past)**

AADS 3022 - Afro Francophone Women Writers

(ALCS 3022, FREN 3022, WMST 3022) The course studies novels by women from French-speaking African countries such as Cameroon, Senegal, Ivory Coast, Algeria, and Congo supplemented with films set in Burkina Faso and Mali that deal with women's issues. Historical contexts, feminist movements, and women's roles are considered in order to situate the literature. The class utilizes a book-club discussion format as well as student oral presentations, weekly essays, and a final paper. Prerequisites: FREN 2010-FREN 2020 or permission of instructor and department head. **(3)**

AADS 3025 - African American Urban Life

(SOCI 3025) This interdisciplinary course examines African Americans as agents in shaping the 20th century urban experience in the United States. The central focus of the course will be the development of cultural, social, religious, economic, educational and political institutions. Examples will be drawn from among communities such as Harlem, NY, the Central Avenue district of Los Angeles, Chicago's south side, and the Auburn Avenue district of Atlanta as well as others. Prerequisite: Any sociology course. **(3, EXPLORATIONS/African American Heritage & Legacies)**

AADS 3040 - African American Inquiry

This course introduces students to ways in which scholars examine the African American experience. The theory component of the course is designed to introduce students to an interdisciplinary approach to framing inquiries about African American life, history, and sociocultural organization. The methods component of this course will examine various analytical and philosophical approaches central to study and research applicable to African American and Diaspora Studies. Prerequisite: AADS 2000. **(3)**

AADS 3041 - Black Psychology

(PSYC 3041) This course is designed to generate critical and analytic thinking about each student's identity as a member of American society and as a member of the "global village". The course is reading/writing intensive as it investigates "the Black Experience". As the course progresses, the student is expected to be more facile in his/her ability to influence and change our psychosociocultural environment in positive and meaningful ways. **(3)**

AADS 3050 - Gandhi and King: Nonviolent Philosophy of Conflict Resolution

(HIST 3050) This course examines the similarities and differences between Mahatma Gandhi and Martin Luther King, Jr. - their leadership styles, personality traits, philosophical assumptions, the movements they led, and their tactics in particular campaigns. Prerequisite(s): 3 hours of HIST **(3)**

AADS 3175 - Survey of African Literature

(ENGL 3175) Introduction to African folklore, poetry, fiction, and drama. **(3)**

AADS 3280 - Survey of African American Writers of the Eighteenth and Nineteenth Centuries

(ENGL 3280) A study of African American literary texts from the eighteenth century to the Harlem Renaissance, in their historical, cultural, and literary contexts **(3)**

AADS 3290 - Survey of African American Writers of the Twentieth and Twenty-first Centuries

(ENGL 3290) A study of major African American texts from the Harlem Renaissance to the contemporary period. **(3)**

AADS 3350 - African American History I

(HIST 3350) Chronological and in-depth study of specific issues affecting African Americans from their West African beginnings to the Civil War. Major themes to be announced each semester. **(3, EXPLORATIONS/African American Heritage & Legacies, EXPLORATIONS/Human Past)**

AADS 3360 - African American History II

(HIST 3360) Continuation of topical survey of main currents in African American life from the Civil War to the present. Major themes to be announced each semester. **(3)**

AADS 3370 - African Americans, Africa, and Pan Africanism

This course presents an interdisciplinary examination of the concept of Pan Africanism as a multidimensional, realistic, authentic, and effective mechanism by which people of African descent in the United States have related historically and culturally to the African dimension of their identity. The course will employ methods germane to the various disciplines. Factual information and theoretical analyses relative to the establishment and development of a consciousness among African Americans of an African past will be presented and discussed. The course will address also the implications of African Americans identification with Africa on the process of globalization and the formation of the African Diaspora. **(3)**

AADS 3385 - The Civil Rights Movement in the United States

(DGHU 3385, HIST 3385, and XCOR 3010) Examines the major civil rights campaigns that took place throughout the U.S. from 1950 to1975. Focuses on strategies, objectives, successes, and failures of civil rights leaders and organizations. Special emphasis on civil rights protests and movements in New Orleans and throughout Louisiana. Prerequisite(s): 3 credits of HIST **(3, EXPLORATIONS/African American Heritage and Legacies)**

AADS 3390 - African American Women's History

(HIST 3390) Examines the unique historical experiences of women of African descent in the United States from the colonial era to the present. Focuses on black women's contributions to American society and the impact of race, class and gender issues on the experiences of African American women. Prerequisite: 3 credits of HIST. **(3)**

AADS 3610 - History of Popular Culture in Africa

(HIST 3610 and XCOR 3020) This course examines the historical development of diverse forms of African popular culture - including music, dance, film, literature, and visual arts - and their connections with local and global processes of cultural production and consumption. The History of Popular Culture in Africa traces the development of popular culture genres in Africa from the late 19th century to the present. Prerequisite: 3 credits of HIST **(3)**

AADS 3675 - The Black Atlantic World

(HIST 3675) Links together the histories of Africa, Europe, North America and South America by emphasizing the activities of Africans and men and women of the African Diaspora. Topics include: Slavery and the slave trade in Africa and the New World, African and Western religions, Revolutions in the West Indies and Africa, European and American imperialism, Neo-colonialism, and Music and Literature. **(3)**

AADS 3700 - Caribbean History and Roots

(HIST 3700, XCOR 3010) This course will address the history of culture in the Circum-Caribbean, including New Orleans. Specifically, it will focus on the processes of colonialism and creolization, understanding how the peoples of the region over time created and maintained cultural practices through food, music, and festival that are at once unique and shared. Prerequisite(s): 3 hours of HIST **(3)**

AADS 3800 - Race in the Americas

(HIST 3800, XCOR 3020) This course looks at the formation of race as an historical construct in North and South America, as well as Mexico and the Caribbean. Central themes include European-Native American contact and colonialism; slavery and freedom; immigration and nationalism; racial mixture and sexuality; poverty, labor, and class struggles. Prerequisite: 3 credits of HIST **(3)**

AADS 4000 - Seminar in African American and Diaspora Studies

Research and writing intensive seminar, exploring the critical issues and texts which define the interdisciplinary nature of African American and Diaspora Studies. Research is required that synthesizes knowledge gained from the concentration in African American and Diaspora Studies. It is recommended that students complete all core requirements in the African American and Diaspora Studies minor before enrolling in this course. **(3)**

AADS 4010 - Littérature Africaine Francophone (The Literature of French-Speaking Africa and the Caribbean)

(ALCS 4010, FREN 4010) A survey of two principal aspects of literary expression in Francophone Africa, oral and written literature and the social, cultural and historic factors that have given rise to their development throughout the Francophone societies of the African continent. Class participants will develop an ability to read critically in a literature that is the product of cultures that may be unfamiliar to them. Prerequisites: 6 hours of FREN beyond FREN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

AADS 4020 - Afro Hispanic Studies

(ALCS 4020) This course is a panoramic survey of Afro-Hispanic history and literature from early Peninsular and Latin American writings through their transformation and development into a corpus of literary works throughout Latin America. The course is open to all upper-level students who are interested in acquiring in-depth knowledge of the international African Diaspora presence in the Spanish-speaking areas of the New World. The language of instruction is English; students who have a high level of proficiency in Spanish will read the required texts in that language. **(3)**

AADS 4025 - Afro Latin American Oral Traditions

(ALCS 4025 and XCOR 3020) A survey of oral traditions and how they reflect the social, cultural, and economic structures of the cultures from which they sprang. Through the identification of primary characters and a study of the changing roles that they play within the creative expressions of societies they represent, course participants will gain insights into the representation of social realities through the symbolic development of characters in folktales and their interactions. Taught in English. **(3)**

AADS 4030 - Afro Latin American Culture and Civilization

(ALCS 4030) Comprehensive interdisciplinary overview of academic and cultural information and experiences about Afro Latin-Americans, their history, culture, traditions, and contributions throughout Latin America and Louisiana. Cultural excursions, guest lecturers, and independent research are integrated into course's curriculum. **(3)**

AADS 4035 - Representations of Black Africans in Hispanic Literature

(ALCS 4035, SPAN 4035) This course explores the representation of Black Africans in Spanish and Spanish American literary works starting in the Middle Ages and ending in the present. The class studies the historic roles of Black Africans in Spain, Spanish America and the Caribbean, and analyzes their presence in poetry, prose, and drama. Students learn about the development of racism and the intersection of race, class, and gender in Hispanic culture and literature. Prerequisite(s): placement test score of 400 or higher or completion of SPAN 3001 or higher. **(3)**

AADS 4050 - African Politics and Government

(PSCI 4050 and XCOR 3020) This course provides a comprehensive examination of the role of political leadership on the development of independent Black Africa with special emphasis on the influence of major personalities, the problems of African politics, nationalities, military politics, liberation movements, African ideologies, and economic integration and regional cooperation. Prerequisite(s): None **(3)**

AADS 4060 - African American Rhetoric and Culture

(CMST 4060) This course will survey the rhetoric of African American men and women from the 1800s until now as a way of discovering how the African American race has strategically used rhetoric to make their voices heard. Students will learn some of the nuances that characterize African American rhetoric. Prerequisite: CMST 3010 and CMST 3020 OR instructor permission. **(3)**

AADS 4130 - African Art

(ART 4130 and XCOR 3020) This course is a survey if the major cultures and objects as art form of Sub Saharan Africa. Traditional material and conceptual African development will be discussed through examination of art objects. **(3)**

AADS 4140 - Art of the African Diaspora

(ART 4140 and XCOR 3020) This course is a discussion of the trends and stylistic changes in the art of African descended peoples around the world after slavery. **(3)**

AADS 4500 - Directed Studies

Concentrated examination of major figures and texts, historical periods and movements, and critical issues including cultural, economic, philosophical, political, religious, and social in an interdisciplinary context. Open to selected students only. Prerequisite: 2000- or 3000-level AADS course. **(3)**

Afro Latin American and Caribbean Studies

ALCS 1050 - Exploration of Afro Latin America and Caribbean Studies

(AADS 1050) This course is an introduction to and exploration of the world of Afro Latin America and the Caribbean in terms of its historical development, its cultural context, and its diverse, extensive, and pervasive African influences throughout the region, and consequently, the world. An examination of African contributions in this geographical region will result in an interdisciplinary perspective of knowledge across the spectrum of human behavior that has extended throughout the Americas and the Western world. Taught in English. **(3)**

ALCS 2030 - Introduction to the Afro-Francophone World

AADS 2030 (taught in English). A survey of selected international Francophone oral and written literature and the social, cultural and historic factors that have given rise to their development throughout the Francophone societies of Africa and the New World Diaspora, particularly in the Antilles. **(3)**

ALCS 2050 - Readings on Afro Latin America and the Caribbean

AADS 2050 A survey of selected readings on the Black presence in Latin America and the Caribbean by Afro Latin American, Caribbean, and mainstream authors of literature through their transformation and development into a corpus of literary works throughout Latin America. This elective culture course is not a substitute for major, minor, literature or language-based requirements. Readings will be literary, cultural and historical. This course may be offered either in a target language or in English. **(3)**

ALCS 3015 - Afro Latin America and Caribbean Culture and Readings

(AADS 3020) A survey of selected Francophone oral and written literature and the social, cultural and historic factors that have given rise to their development throughout the Francophone societies of Africa and the New World Diaspora, particularly in the Antilles. Class participants will develop an ability to read critically in a literature that is the product of cultures that may be unfamiliar to them. Taught in English. **(3)**

ALCS 3021 - Readings in Francophone Culture

(FREN 3021) A reading course designed to build advanced-level skills in comprehension of the text. Readings are taken from throughout the Francophone world and may also serve to introduce Francophone writings to those who later may wish to study international Afro Francophone works. Prerequisite(s): FREN 2010 and FREN 2020 **(3)**

ALCS 3022 - Afro Francophone Women Writers

(AADS 3022, FREN 3022, WMST 3022) As background to the study of Afro-informed writings by African women of the French-speaking countries of Haiti, Guadeloupe, Martinique and French Guiana, the course also studies novels by women from French-speaking African countries such as Cameroon, Senegal, Ivory Coast, Algeria, and Congo, supplemented with films set in Burkina Faso and Mali that deal with women's issues. Historical contexts, feminist movements, and women's roles are considered in order to situate the literature. The class utilizes a book-club discussion format as well as student oral presentations, weekly essays, and a final paper. Prerequisite(s): FREN 2010 and FREN 2020 or permission of instructor and department head. **(3)**

ALCS 4010 - Littérature Africaine Francophone (The Literature of French-Speaking Africa and the Caribbean)

(AADS 4010, FREN 4010) A survey of two principal aspects of literary expression in Francophone Africa and the Caribbean, oral and written literature and the social, cultural and historic factors that have given rise to their development throughout the Francophone societies of the African continent and the New World. Prerequisite(s): 6 hours of FREN beyond FREN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

ALCS 4020 - Afro Hispanic Studies

(AADS 4020) This course is a panoramic survey of Afro-Hispanic history and literature from early Peninsular and Latin American writings through their transformation and development into a corpus of literary works throughout Latin America. The course is open to all upper-level students who are interested in acquiring in-depth knowledge of the international African Diaspora presence in the Spanish-speaking areas of the New World. The language of instruction is English; students who have a high level of proficiency in Spanish will read the required texts in that language. **(3)**

ALCS 4025 - Afro Latin American Oral Traditions

(AADS 4025 and XCOR 3020) A survey of oral traditions and how they reflect the social, cultural, and economic structures of the cultures from which they sprang. Through the identification of primary characters and a study of the changing roles that they play within the creative expressions of societies they represent, course participants will gain insights into the representation of social realities through the symbolic development of characters in folktales and their interactions. Taught in English. **(3)**

ALCS 4030 - Afro Latin American Culture and Civilization

(AADS 4030) Comprehensive interdisciplinary overview of academic and cultural information and experiences about Afro Latin-Americans, their history, culture, traditions, and contributions throughout Latin America and Louisiana. Cultural excursions, guest lecturers, and independent research are integrated into course's curriculum. **(3)**

ALCS 4035 - Representations of Black Africans in Hispanic Literature

(AADS 4035, SPAN 4035) This course explores the representation of Black Africans in Spanish and Spanish American literary works starting in the Middle Ages and ending in the present. The class studies the historic roles of Black Africans in Spain, Spanish America and the Caribbean, and analyzes their presence in poetry, prose, and drama. Students learn about the development of racism and the intersection of race, class, and gender in Hispanic culture and literature. Prerequisite(s): placement test score of 400 or higher or completion of SPAN 3001 or higher. **(3)**

American Sign Language

AMSL 1010 - American Sign Language

Introductory course designed to develop basic receptive and expressive language skills. Emphasis will be on natural language production and appropriate cultural interaction. Students will learn basic languages, structures, acquire a working vocabulary and knowledge of sentences, phrases, and appropriate non-manual behaviors. Instruction in AMSL without the use of voice and spoken English. **(3)**

AMSL 1020 - American Sign Language II

Introductory course designed to develop transitional, receptive, and expressive American Sign Language skills. Emphasis will be on natural language production appropriate cultural interaction. Students will learn languages, structures, acquire a working vocabulary and knowledge of sentences, phrases, and appropriate non-manual behaviors. Instruction will alternate between the use of American Sign Langauge without the use of voice and spoken English. **(3)**

Applied Music (Private Instruction)

MUAP 1531xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 1541xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 1632xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 1642xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 1733xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 1743xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 1834xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

MUAP 1844xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

MUAP 2531xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 2541xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 2632xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 2642xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 2733xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 2743xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 2834xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

MUAP 2844xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

MUAP 3531xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 3541xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 3632xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 3642xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 3733xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 3743xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 3834xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

MUAP 3844xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

MUAP 4531xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 4541xx - Private music instruction

Two one-hour lessons and a minimum of 6 hours practice per week. (Course carries instrument suffix.) **(1)**

MUAP 4632xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 4642xx - Private music instruction

Two one-hour lessons and a minimum of 10 hours practice per week. (Course carries instrument suffix.) **(2)**

MUAP 4733xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 4743xx - Private music instruction

Two one-hour lessons and a minimum of 15 hours practice per week. (Course carries instrument suffix.) **(3)**

MUAP 4834xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

MUAP 4844xx - Private music instruction

Two one-hour lessons and a minimum of 20 hours practice per week. (Course carries instrument suffix.) **(4)**

Art

ART 1010 - Design Ia

Foundation course in the study of the elements and principles of design using primarily a two-dimensional format. Students will be introduced to the basic design elements as well as the design principles and their use in visual language. Studio, Hands-On Courses. **(3, EXPLORATIONS/Creative Expression and Engagement)**

ART 1011 - Introduction to Digital Imaging and Digital Illustration

This course introduces students to industry software as a tool for graphic design and image making. Students learn the fundamentals of software most commonly found in graphic design studios used for both print and interactive/web applications: Adobe Photoshop and Illustrator (MAC platform). Prerequisite(s): None. **(3)**

ART 1020 - Design Ib

Foundation course in the study of the elements and principles of design using a three dimensional format. This course serves as an introduction to the study of three-dimensional form. Students will gain a working knowledge of structural patterns of form, linear and planar analysis of form, analysis of implied form, and of manipulative devices applied to form. Studio, hands-on course. Prerequisite: ART 1010 Studio, Hands-On Courses**(3)**

ART 1030 - Drawing 1 Beginning Drawing

A development of the fundamentals, concepts and skills of drawing through a broad range of aesthetic expressions, working both inside and outside traditional thought, to translate three-dimensional objects into two-dimensional form through observational studies. Students will work in multiple black and white wet and dry media. Studio, Hands-On Courses. **(3, EXPLORATIONS/Creative Expression and Engagement)**

ART 1040 - Drawing 2 Intermediate Drawing

Continuation of ART 1030 exploring color and varieties of color and mixed media techniques and continues the use of drawing to explore the visual language. Studio, hands-on course. Prerequisite: ART 1030. Studio, Hands-On Courses**(3)**

ART 1050 - Introduction to Ceramics

Combining theory and practice, an in-depth investigation of ceramic art, including hand-building techniques, with an introduction to the potter's wheel. Clay and glaze mixing, and various kiln-firing procedures are also explored, along with a historical overview. Studio, hands-on course. Studio, Hands-On Courses**(3, EXPLORATIONS/Creative Expression and Engagement)**

ART 1060 - Introduction to Painting

An introduction to fundamental, formal and technical problems of painting concepts and skills (development) both traditional and experimental, in various opaque media. Studio, hands-on course. **(3, EXPLORATIONS/Creative Expression and Engagement)**

ART 1070 - Introduction to Throwing on the Potter's Wheel

Concentrated investigation and practice of pottery making techniques using the potter's wheel. Clay and glazing, and various kiln-firing procedures are also explored, along with historical research. **(3)**

ART 1090 - Art Appreciation

An introduction to visual art, where study of visual elements and principles are examined through stylistic developments in the history of art from ancient to the present, with attention to media and world civilizations. **(3, EXPLORATIONS/Creative Expression & Engagement)**

ART 2011 - Introduction to Black and White Photography

An introductory class to the traditional style of photography using a manual SLR camera with black and white film, process film, use chemicals, and develop prints as an art form. Studio, hands-on course. **(3, EXPLORATIONS/Creative Expression and Engagement)**

ART 2020 - Introduction to Graphic Design

(SMKT 2020) An introduction to visual communication design with an emphasis on printed materials. Logo design, typography, layout principles and the use of computer technology are part of this course. Studio, hands-on course. **(3, EXPLORATIONS/Creative Expression and Engagement)**

ART 2030 - Drawing 3 Figure Drawing 1

The study through drawing of formal and expressive potentials of human anatomy. Primary focus is on compositional structures of the human skeleton and human figure. Studio, hands-on course. Prerequisite: ART 1040 or concurrent enrollment in BIOL 3350, BIOL 3450 or BIOL 3460. **(3)**

ART 2040 - Drawing 4 Figure Drawing 2

Exploration of formal and expressive potentials of the human figure; traditional and experimental techniques. Various media and expressive techniques. Studio, hands-on course. Prerequisite: ART 2030 Studio, Hands-On Courses**(3)**

ART 2070 - Introduction to Sculpture

Introduction to basic sculptural processes and materials through construction, modeling, mold making, and metal casting. Studio, hands-on course. Studio, Hands-On Courses**(3, Fa)**

ART 2080 - Introduction to Printmaking

An introduction to multiple image making through relief, intaglio, planographic, and stencil processes. Studio, hands-on course. Studio, Hands-On Courses**(3)**

ART 2090 - Art Essentials for Teachers

Art education for elementary education majors; theory, practice; experience with materials, techniques. **(3)**

ART 2110 - History of Art Ia

A survey of art and architecture from its prehistoric beginnings through the Middle Ages. **(3, Fa)**

ART 2120 - History of Art Ib

A survey of western art and architecture from the Renaissance to the present. **(3, Sp)**

ART 2130 - Special Topics in Art History

This course is designed to more fully develop topics, genres and periods of Art that are introduced briefly in the two introductory Art History courses, History of Art 1A and 1B. Different topics offered in this course will emphasize the different methodologies and cultural expressions of World Art from the prehistoric to the contemporary period. An individual student may take this course a total of three times as long as the content differs in each of the chosen classes. **(3)**

ART 2140 - Contemporary Art History

Lectures, discussions (on art) and study of European and American art and architecture from about 1900 to the present, including developments since impressionism. Studies include gallery visits, reading, and related activities. Prerequisite: ART 2130 **(3)**

ART 2510 - The Graphic Novel & Social Justice

ENGL 2510 This course is an interdisciplinary examination of comic art as a vehicle for social justice. This course will teach students to access comics, a genre generally dismissed as non-literary, at multiple levels: the textual, the visual, and the contextual. Students will develop and enhance skills at interpretation through these multiple literacies to value the political and cultural statements that can be made through the comic form. Students will also learn how to manipulate these various literacies to express their own commentaries upon issues of social justice important to them. Prerequisites: ENGL 1000/ENGL 1010 - ENGL 1020; or ENGL 1023H. **(3, EXPLORATIONS/Creative Expression and Engagement)**

ART 2600 - Developing Community Programs through the Arts

(XCOR 3010) The intern seminar is intended to cultivate basic competencies in areas relevant to effective community organization and program development. Through active participation, students will become efficient resources to the Community Arts Partnership Initiative and to the community at large. Students will develop through the seminar a vocabulary for problem solving within the community context in the arts. Prerequisite: Second semester sophomore, junior, or senior status. **(3)**

ART 3000 - Trends in Art Education

An intensive study of the major issues in art education with an emphasis on the literature since 1950. **(3)**

ART 3011 - Advanced Black and White Photography

This class will build on the techniques studied in the introductory class using traditional techniques with a manual SLR camera. Studio, hands-on course. Prerequisite: ART 2011 Studio, Hands-On Courses**(3)**

ART 3020 - Web Design

This course will focus on website and interface design for the mobile web, fostering an approach in design aesthetics which embraces new technology and creative expression using typography, graphics, and interactivity. Projects will examine elements in website and interface design efficiency including color, typography, site mapping and navigation, information architecture, wire framing / page layout, and user ability. **(3)**

ART 3022 - Digital Color Photography

This class will focus on using the computer as a tool in the creation of color prints. Students will be required to use either a standard color film camera or a high-resolution digital camera. The emphasis will be the idea of color, the usage and power in color in making an image. Studio, hands-on course. Studio, Hands-On Courses**(3)**

ART 3030 - Drawing III a

Continuation of Drawing II in the advanced study of drawing. Studio, hands-on course. Prerequisite: ART 2040 Studio, Hands-On Courses**(3)**

ART 3040 - Drawing III b

Continuation of Drawing II in the advanced study of drawing. Studio, hands-on course. Prerequisite: ART 3030 Studio, Hands-On Courses**(3)**

ART 3050 - Painting 2, Intermediate Painting

Advanced studies using painting mediums and appropriate experimentation with different supports and techniques. Students are expected to establish an integrated personal vision at a level qualitatively beyond previous involvement in beginning painting. Studio, hands-on course. Prerequisite: ART 1060 Studio, Hands-On Courses**(3)**

ART 3060 - Painting 3, Advanced Painting

Advanced studies using painting mediums and appropriate experimentation with different supports and techniques. Students are expected to establish an integrated personal vision at a level qualitatively beyond previous involvement in beginning painting. Studio, hands-on course. Prerequisite: ART 3050 Studio, Hands-On Courses**(3)**

ART 3065 - Writing About Art

(CRWT 3065, ENGL 3065) An introduction to ekphrastic writing: poetry and writing about the visual arts. Overview of theories and methodologies. Prerequisites: ENGL 1010-ENGL 1020. **(3, EXPLORATIONS/Creative Expression & Engagement)**

ART 3070 - Sculpture 2, Intermediate Sculpture

Advanced studies in understanding sculptural form. Advanced development of skills; in modeling, casting, other techniques; emphasis on figure. Students are expected to establish an integrated personal vision at a level qualitatively beyond previous involvement. Studio, hands-on course. Prerequisite: ART 2070 Studio, Hands-On Courses**(3)**

ART 3080 - Sculpture 3, Advanced Sculpture

Advanced studies in understanding sculptural form. Advanced development of skills; in modeling, casting, other techniques; emphasis on figure. Students are expected to establish an integrated personal vision at a level qualitatively beyond previous involvement. Studio, hands-on course. Prerequisite: ART 3070 Studio, Hands-On Courses**(3)**

ART 3090 - Printmaking 2 Intermediate Printmaking

Continued investigation of print media. Students are expected to initiate individual direction for their work with particular emphasis on serially developing their ideas. Students are encouraged to utilize mixed print media as well as other media - experimentation is stressed. Studio, hands-on course. Prerequisite: ART 2080 Studio, Hands-On Courses**(3)**

ART 3100 - Printmaking 3, Advanced Printmaking

Continued investigation of print media. Students are expected to initiate individual direction for their work with particular emphasis on serially developing their ideas. Students are encouraged to utilize mixed print media as well as other media - experimentation is stressed. Studio, hands-on course. Prerequisite: ART 3090 Studio, Hands-On Courses**(3)**

ART 3110 - Ceramics 2 Intermediate Ceramics

Creative exploration in pottery; making clay bodies, glazes; wheel-throwing, varied procedures in hand building. Emphasis is on the union of aesthetics and good craftsmanship. Involvement in all areas of studio operations is required. Studio, hands-on course. Prerequisite: ART 1050 Studio, Hands-On Courses**(3)**

ART 3120 - Ceramics 3, Advanced Ceramics

Creative exploration in pottery; making clay bodies, glazes; wheel-throwing, varied procedures in hand building. Emphasis is on the union of aesthetics and good craftsmanship. Involvement in all areas of studio operations is required. Studio, hands-on course. Prerequisite: ART 3110 Studio, Hands-On Courses**(3)**

ART 3200 - Art Trends and Policy

This course will use lectures, discussions, visits and directed readings from texts and articles. This course is designed to bring students up to date information on current artists, theories, practices and policies. Prerequisite: ART 1090 **(3)**

ART 4010 - Graphic Design 2, Intermediate Graphic Design

Solve practical design problems while expanding digital techniques. Studio, hands-on course. Prerequisite: ART 2020 Studio, Hands-On Courses**(3)**

ART 4020 - Graphic Design 3, Advanced Graphic Design

Solve practical design problems while expanding digital techniques. Studio, hands-on course. Prerequisite: ART 4010 Studio, Hands-On Courses**(3)**

ART 4030 - Drawing 5 Experimental Drawing

Advanced work from human figure; various creative approaches in many media. Studio, hands-on course. Prerequisite: ART 3030 Studio, Hands-On Courses**(3)**

ART 4050 - Painting 4, Advanced Painting Techniques

Continuation of painting II. Advancement in visual consciousness, technical skills as means to significant work. Studio, hands-on course. Prerequisite: ART 3060 Studio, Hands-On Courses**(3)**

ART 4070 - Sculpture 4, Advanced Sculptural Techniques

Continuation of ART 3070. Carving, modeling, casting construction; welding, brazing soldering, etc. Studio, hands-on course. Prerequisite: ART 3070 Studio, Hands-On Courses**(3)**

ART 4090 - Printmaking 4, Advanced Techniques in Printmaking

Experimental prints, various methods/processes; advanced lithography, etching, serigraphy, woodcut, calligraphy. Studio, hands-on course. Prerequisite: ART 3090 Studio, Hands-On Courses**(3)**

ART 4110 - Ceramics 4 Advanced Techniques in Ceramics

Continuation of ART 3110; development of skills in pottery making; creative design, exploration of techniques. Studio, hands-on course. Prerequisite: ART 3110 Studio, Hands-On Courses**(3)**

ART 4130 - African Art

(AADS 4130 and XCOR 3020) This course is a survey if the major cultures and objects as art form of Sub Saharan Africa. Traditional material and conceptual African development will be discussed through examination of art objects. **(3, EXPLORATIONS/Human Past)**

ART 4140 - Art of the African Diaspora

(AADS 4140 and XCOR 3020) This course is a discussion of the trends and stylistic changes in the art of African descended peoples around the world after slavery. **(3)**

ART 4190 - Printmaking IV a

Continuation of ART 4090. Studio, hands-on course. Prerequisite: ART 4090 Studio, Hands-On Courses**(3)**

ART 4210 - Graphic Design 4, Advanced Graphic Design

Continuation of ART 4010. Studio, hands-on course. Prerequisite: ART 4020 Studio, Hands-On Courses**(3)**

ART 4310 - Ceramics IV a

Continuation of ART 4110. Studio, hands-on course. Prerequisite: ART 4110 Studio, Hands-On Courses**(3)**

ART 4320 - Ceramics IV b

Continuation of ART 4120 . Studio, hands-on course. Prerequisite: ART 4310 Studio, Hands-On Courses**(3)**

ART 4410 - Graphic Design IV a

Continuation of ART 4210. Studio, hands-on course. Prerequisite: ART 4210 Studio, Hands-On Courses**(3)**

ART 4420 - Graphic Design IV b

Continuation of ART 4220 . Studio, hands-on course. Prerequisite: ART 4410 Studio, Hands-On Courses**(3)**

ART 4501 - Directed Readings in Art

Students work under the direction of faculty members to fulfill their needs and interests. **(1)**

ART 4502 - Directed Readings in Art

Students work under the direction of faculty members to fulfill their needs and interests. **(2)**

ART 4503 - Directed Readings in Art

Students work under the direction of faculty members to fulfill their needs and interests. **(3)**

ART 4999 - Senior Comprehensives

(0)

Bioinformatics

BINF 1500 - Introduction to Informatics

This interdisciplinary course illustrates the power of technology across many disciplines. It is an interactive introduction to computing intended for students interested in bioinformatics, computational neuroscience, computational chemistry, health informatics, and other information-specific disciplines - this course is at the intersection of modern science. Student use technology to explore data, analyze results, and effectively communicate solutions to real world problems. Prerequisite(s): No prior computer programming experience is required. Corequisite(s): CPSC 1710 **(3)**

BINF 2500 - Introduction to Bioinformatics

BIOL 3250 This interdisciplinary course will introduce concepts in the application of computational approaches to solving problems in biology. Topics include basic principles of molecular biology, DNA/RNA sequencing, global, local and multiple sequence alignment, use of web databases, sequence assembly, and phylogenetics. Other topics will include methods to computationally find genomic abnormalities. The course will also provide a basic introduction to algorithmic approaches to implementing bioinformatics solutions. Prerequisite(s): BIOL 1240 and BIOL 1240L with a grade of 'C' or better. **(3)**

BINF 3500 - Bioinformatics Computing

This is a computing-centric course designed to introduce students to advanced methods and tools to explore, analyze and visualize biological information. The course will focus on programming and algorithmic design issues that are pertinent to efficiently implementing bioinformatics software. The course will also focus on developing advanced programming skills for biological computing, including application development in a scripting language, pipeline implementation using UNIX shell scripting, and the use/application of common bioinformatics software. Students will

also develop skills necessary to communicate and solve problems across the fields of biology and computer science, and gain exposure to advanced topics such as next-generation sequencing analyses and biological pathway modeling and inference. Prerequisite(s): BINF 2500 and CPSC 2730 **(3)**

BINF 4598 - Bioinformatics Capstone I

First semester of independent work by students under the guidance of a faculty member. This course will require students to choose a project that requires the implementation of bioinformatics software, pipelines, frameworks, or procedures to address important problems at the intersection of biology and computer science. For the first semester, the capstone course will focus on project selection, project design, and acquiring preliminary data/results. Prerequisite(s): BINF 3500 **(1)**

BINF 4599 - Bioinformatics Capstone II

Second semester of independent work by students under the guidance of a faculty member. The focus will be on the continuation of the project from the first semester capstone course, along with its implementation and evaluation. Prerequisite(s): BINF 4598 **(2)**

BINF 4999 - Senior Comprehensives

(0)

Biology

A grade of C or better in a prerequisite course is required before a student may progress to the next course.

All one-credit-hour biology laboratory courses numbered 1230 and above require either concurrent enrollment in the corresponding lecture, or previous completion of the lecture course.

Unless otherwise noted in the course description, BIOL 1240 is a prerequisite for all higher-numbered courses in biology.

BIOL 1030 - General Biology (Non-science majors)

Modern concepts in biology for the non-science major. Lecture and laboratory should be taken concurrently. NOT APPLICABLE TO MAJOR OR MINOR IN BIOLOGY. **(2, EXPLORATIONS/Scientific Reasoning)**

BIOL 1030L - General Biology Laboratory (Non-science majors)

Modern concepts in biology for the non-science major. Lecture and laboratory should be taken concurrently. NOT APPLICABLE TO MAJOR OR MINOR IN BIOLOGY. **(1)**

BIOL 1040 - General Biology (Non-science majors)

Modern concepts in biology for the non-science major. Lecture and laboratory should be taken concurrently. NOT APPLICABLE TO MAJOR OR MINOR IN BIOLOGY. **(2, EXPLORATIONS/Scientific Reasoning)**

BIOL 1040L - General Biology Laboratory (Non-science majors)

Modern concepts in biology for the non-science major. Lecture and laboratory should be taken concurrently. NOT APPLICABLE TO MAJOR OR MINOR IN BIOLOGY. **(1)**

BIOL 1050 - Environmental Biology

The biological and social implications of the relationship between the environment and human society. Includes laboratory component. NOT APPLICABLE AS A BIOLOGY ELECTIVE FOR STUDENTS MAJORING OR MINORING IN BIOLOGY. **(3, EXPLORATIONS/Scientific Reasoning)**

BIOL 1210L - Foundations of Biology I

Broad introduction to the field of biology with a focus on reading, comprehension, data organization, data analysis, and mathematical and computer applications. Required for Biology majors. Prerequisite(s): Completion of Developmental Reading and Math if required. **(1)**

BIOL 1220L - Foundations of Biology II

Broad introduction to the field of biology with a focus on reading, comprehension, data organization, data analysis, and mathematical and computer applications. Required for Biology majors. Prerequisite(s): Completion of Developmental Reading and Math if required. **(1)**

BIOL 1230 - General Biology I

Basic biological principles and concepts as they apply to all levels of organization. For science majors. Prerequisite(s): Completion of all developmental Reading and Math, if required. **(3, EXPLORATIONS/Scientific Reasoning)**

BIOL 1230L - General Biology I Laboratory

Basic biological principles and concepts as they apply to all levels of organization. For science majors. This course requires either concurrent enrollment in the BIOL 1230 lecture, or previous completion of the lecture course. Prerequisite(s): Completion of all developmental Reading and Math, if required. **(1)**

BIOL 1240 - General Biology II

Basic biological principles and concepts as they apply to all levels of organization. For science Majors. Prerequisite(s): BIOL 1230 with a grade of "C" or better. **(3)**

BIOL 1240L - General Biology II Laboratory

Basic biological principles and concepts as they apply to all levels of organization. For science majors. Prerequisite(s):This course requires either concurrent enrollment in the BIOL 1240 lecture, or previous completion of the lecture course. BIOL 1230 with a grade of "C" or better. **(1)**

BIOL 2000 - Biodiversity

Survey of biological diversity, basic principles and concepts of biological systematics, taxonomy, evolutionary theory, and ecology. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 2000L - Biodiversity Laboratory

Survey of biological diversity, basic principles and concepts of biological systematics, taxonomy, evolutionary theory, and ecology. This course requires either concurrent enrollment in the Biodiversity lecture, BIOL 2000, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 2010 - General Microbiology

Study of microorganisms. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 2010L - General Microbiology Laboratory

Study of microorganisms. Laboratory emphasizes principles of bacteriological technique, microscopic study, and environmental influences affecting microorganisms. This course requires either concurrent enrollment in or previous completion of BIOL 2010. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 2015L - General Microbiology Laboratory (Pre-Pharmacy)

Study of prokaryotic and eukaryotic microorganisms using techniques such as microscopic identification, aseptic inoculations, staining, and culturing. Additional aspects of microbial physiology and biochemistry using microorganisms of significance in medical or pharmaceutical industry will also be covered. This course requires either concurrent enrollment in or previous completion of BIOL 2010. Prerequisite(s): BIOL 1240. LIMITED TO PREPHARMACY STUDENTS. **(1)**

BIOL 2200 - Introduction to Phage and Genomics

A two-semester inquiry-based course to introduce students to the practice of scientific research with real experiments in microbiology, virology and the quantitative and qualitative study of phage genomes. Prerequisite(s): BIOL 1230 and BIOL 1240 with grades of "C" or better. Open to biology majors; instructor's approval required. **(3, Fa)**

BIOL 2210 - Introduction to Phage and Genomics

A two-semester long inquiry-based course to introduce students to the practice of scientific research with real experiments in microbiology, virology and the quantitative and qualitative study of phage genomes. Prerequisite(s): BIOL 1230 and BIOL 1240. Open to biology majors; instructor's approval required. **(3)**

BIOL 3000 - Introduction to Entomology

Introduction to the study of insects. Arthropod evolution, insect taxonomy, systematics, and identification, internal and external morphology, social insects and insect pests, insects of human health concern and vectors of human disease, and Integrated Pest Management. The laboratory emphasizes insect identification and collecting, and includes field trips. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3, Su)**

BIOL 3000L - Introduction to Entomology Laboratory

Introduction to the study of insects. Arthropod evolution, insect taxonomy, systematics, and identification, internal and external morphology, social insects and insect pests, insects of human health concern and vectors of human disease, and Integrated Pest Management. The laboratory emphasizes insect identification and collecting, and includes field trips. This course requires either concurrent enrollment in the Introduction to Entomology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1, Su)**

BIOL 3070 - Immunology

Basic concepts of immunology and immunological disorders. Laboratory includes discussions and application of the basic principles of serology. Prerequisite(s): BIOL 1240 with a grade of "C" or better; BIOL 2010 with a grade of "C" or better or permission of instructor. **(3)**

BIOL 3070L - Immunology Laboratory

Basic concepts of immunology and immunological disorders. Laboratory includes discussions and application of the basic principles of serology. This course requires either concurrent enrollment in the Immunology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better; BIOL 2010L with a grade of "C" or better or permission of instructor. **(1)**

BIOL 3081 - Medical Microbiology

Study of various human pathogens, with emphasis on basic biology and the host-pathogen interaction. Laboratory consists of selected exercises relevant to the culture and manipulation of bacterial pathogens and other microorganisms. Prerequisite(s): BIOL 1240, and BIOL 2010/BIOL 2010L with grades of "C" or better; CHEM 2210/2210D with a grade of "C" or better, or permission of instructor. **(3)**

BIOL 3081L - Medical Microbiology Laboratory

Study of various human pathogens, with emphasis on basic biology and the host-pathogen interaction. Laboratory consists of selected exercises relevant to the culture and manipulation of bacterial pathogens and other microorganisms. This course requires either concurrent enrollment in the Medical Microbiology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240, and BIOL 2010/BIOL 2010L with grades of "C" or better; CHEM 2210/2210D with a grade of "C" or better, or permission of instructor. **(1)**

BIOL 3091 - Cell Biology

Molecular basis of eukaryotic cell structure and function. Laboratory introduces techniques used in the study of cells. Prerequisite(s): BIOL 1240 and CHEM 1020/1020D/1020L with grades of "C" or better. **(3)**

BIOL 3091L - Cell Biology Laboratory

Molecular basis of eukaryotic cell structure and function. Laboratory introduces techniques used in the study of cells. This course requires either concurrent enrollment in the Cell Biology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 and CHEM 1020/1020D/1020L with grades of "C" or better. **(1)**

BIOL 3110 - Genetics

Fundamental principles of classical and molecular genetics. Prerequisite(s): BIOL 1240, and CHEM 1020/1020D/ CHEM 1021L with grades of "C" or better. **(3)**

BIOL 3110L - Genetics Laboratory

Fundamental principles of classical and molecular genetics. This course requires either concurrent enrollment in the Genetics lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240, and CHEM 1020/1020D/CHEM 1021L with grades of "C" or better. **(1)**

BIOL 3141 - General Zoology

Structure and function of vertebrate and invertebrate animals in an evolutionary context. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 3141L - General Zoology Laboratory

Structure and function of vertebrate and invertebrate animals in an evolutionary context. This course requires either concurrent enrollment in the General Zoology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 3150 - Virology

General properties of viruses, their isolation and chemical composition. Special emphasis placed on molecular biology of bacterial and animal viruses. Prerequisite(s): BIOL 1240 and BIOL 2010 with grades of "C" or better or permission of instructor. **(3)**

BIOL 3151 - General Botany

Basic principles of the biology of plants. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 3151L - General Botany Laboratory

Basic principles of the biology of plants. This course requires either concurrent enrollment in the General Botany lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 3160 - Biomedical Physics

PHYS 3160 This course is designed specifically for students pursuing careers in medicine or those related to human health. Interdisciplinary in nature, it covers principles of physics that are essential in understanding real life phenomena, with particular focus on applications in medicine and human health. Ideal for students interested in nursing, diagnostic medicine, biomedical research, physiotherapy, or veterinary medicine. Prerequisites: BIOL 1240/BIOL 1240L and PHYS 2010/PHYS 2010L with grades of "C" or better. Corequisite: PHYS 2020/PHYS 2020L is recommended but not essential. **3**

BIOL 3162 - Developmental Biology

Analytical approach to major aspects of development. Laboratory stresses morphological development of selected vertebrates. Prerequisite(s): BIOL 1240, CHEM 1020/1020D/CHEM 1021L with grades of "C" or better. LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. **(4)**

BIOL 3162L - Developmental Biology Laboratory

Analytical approach to major aspects of development. Laboratory stresses morphological development of selected vertebrates. Prerequisite(s): BIOL 1240, CHEM 1020/1020D/CHEM 1021L with grades of "C" or better. LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. **(0)**

BIOL 3210 - Ecology

The relationship between organisms and their environment. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 3210L - Ecology Laboratory

The relationship between organisms and their environment. This course requires either concurrent enrollment in the Ecology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 3250 - Introduction to Bioinformatics

BINF 2500 This interdisciplinary course will introduce concepts in the application of computational approaches to solving problems in biology. Topics include basic principles of molecular biology, DNA/RNA sequencing, global, local and multiple sequence alignment, use of web databases, sequence assembly, and phylogenetics. Other topics will include methods to computationally find genomic abnormalities. The course will also provide a basic introduction to algorithmic approaches to implementing bioinformatics solutions. Prerequisite(s): BIOL 1240/BIOL 1240L with a grade of 'C' or better. **(3)**

BIOL 3300 - Introduction to Neuroscience

NSCI 3300 A broad survey of neuroscience, including the molecular and cellular bases of neurons and their function. Prerequisite(s): BIOL 1240 and BIOL 1240L with grades of "C" or better are required; BIOL 3110 is highly recommended. **(3)**

BIOL 3350 - Anatomy and Physiology

Basic structural and functional aspects of the human body. Laboratory includes histological and macroscopic anatomy together with exercises emphasizing the functional aspects of the systems. NOT OPEN TO PHARMACY STUDENTS. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 3350L - Anatomy and Physiology Laboratory

Basic structural and functional aspects of the human body. Laboratory includes histological and macroscopic anatomy together with exercises emphasizing the functional aspects of the systems. NOT OPEN TO PHARMACY STUDENTS. This course requires either concurrent enrollment in the Anatomy and Physiology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 3351 - Anatomy and Physiology II

Advanced structural and functional aspects of the human body. Laboratory includes advanced histological and macroscopic anatomy together with exercises emphasizing the functional aspects of the systems. NOT OPEN TO PHARMACY STUDENTS. Prerequisite(s): BIOL 3350 and BIOL 3350L with grades of "C" or better. **(3)**

BIOL 3351L - Anatomy and Physiology II Laboratory

Advanced structural and functional aspects of the human body. Laboratory includes advanced histological and macroscopic anatomy together with exercises emphasizing the functional aspects of the systems. NOT OPEN TO PHARMACY STUDENTS. This course requires either concurrent enrollment in the Anatomy and Physiology II lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 3350/BIOL 3350L with grades of "C" or better. **(1)**

BIOL 3360 - Parasitology

Key aspects of the biology of parasitic animals. Special emphasis placed on those parasites of medical importance. Laboratory stresses microscopic study of parasites. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 3360L - Parasitology Laboratory

Key aspects of the biology of parasitic animals. Special emphasis placed on those parasites of medical importance. Laboratory stresses microscopic study of parasites. This course requires either concurrent enrollment in the corresponding lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 3450 - Human Physiology and Anatomy

(PHCL 3620) Comprehensive view of the human body emphasizing individual systems and their interactions with each other and exogenous materials. LIMITED TO PHARMACY STUDENTS. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 3450L - Human Physiology and Anatomy Laboratory

(PHCL 3620L) Comprehensive view of the human body emphasizing individual systems and their interactions with each other and exogenous materials. LIMITED TO PHARMACY STUDENTS. This course requires either concurrent enrollment in the Human Physiology and Anatomy lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 3460 - Human Physiology and Anatomy

(PHCL 3630) Comprehensive view of the human body emphasizing individual systems and their interactions with each other and exogenous materials. LIMITED TO PHARMACY STUDENTS. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 3801 - Topics in Biology

Specific topics are announced when the course is offered, and may include biological and interdisciplinary studies in relation to local communities, global issues, and other aspects of the university mission. BIOL 1240 is not a default prerequisite, but the instructor may announce a prerequisite for the particular course of study. NOT APPLICABLE AS A BIOLOGY ELECTIVE FOR STUDENTS MAJORING OR MINORING IN BIOLOGY. **(1)**

BIOL 3802 - Topics in Biology

Specific topics are announced when the course is offered, and may include biological and interdisciplinary studies in relation to local communities, global issues, and other aspects of the university mission. BIOL 1240 is not a default prerequisite, but the instructor may announce a prerequisite for the particular course of study. NOT APPLICABLE AS A BIOLOGY ELECTIVE FOR STUDENTS MAJORING OR MINORING IN BIOLOGY. **(2)**

BIOL 3803 - Topics in Biology

Specific topics are announced when the course is offered, and may include biological and interdisciplinary studies in relation to local communities, global issues, and other aspects of the university mission. BIOL 1240 is not a default

prerequisite, but the instructor may announce a prerequisite for the particular course of study. NOT APPLICABLE AS A BIOLOGY ELECTIVE FOR STUDENTS MAJORING OR MINORING IN BIOLOGY. **(3)**

BIOL 4000 - Cancer: Causes, Treatment and Disparities

(PHCY 4001) A survey course that explores cancer incidence, development, biology, treatment and cultural considerations including health disparities. Team-taught and jointly offered by Tulane and Xavier Universities. Open to Xavier University undergraduates and pharmacy students, Tulane university undergraduates and graduate students. Strongly recommended: BIOL 4250. Prerequisite(s): BIOL 1240, BIOL 2010/BIOL 2010L and BIOL 3110/BIOL 3110L with grades of "C" or better. This course requires either concurrent enrollment in, or previous completion of CHEM 3130 and CHEM 3130L. **(3/1-3)**

BIOL 4050 - Animal Physiology

Coordinated functional relationships of different taxa of animals with respect to adaptation to varied habitats and changing environment. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 4050L - Animal Physiology Laboratory

Coordinated functional relationships of different taxa of animals with respect to adaptation to varied habitats and changing environment. This course requires either concurrent enrollment in the BIOL 4050 Animal Physiology lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(1)**

BIOL 4091 - Comparative Vertebrate Anatomy

Evolutionary approach to the study of structural and functional relationships among vertebrate taxa. Laboratory work requires extensive dissection. LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(4)**

BIOL 4091L - Comparative Vertebrate Anatomy Laboratory

Evolutionary approach to the study of structural and functional relationships among vertebrate taxa. Laboratory work requires extensive dissection. LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(0)**

BIOL 4111 - Histology

Structure and function of cells, tissues, and organ systems. Laboratory stresses microscopic study of cells and tissues. LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. Prerequisite(s): BIOL 1240 and CHEM 1020/1020D/1020L with grades of "C" or better. **(4)**

BIOL 4111L - Histology Laboratory

Structure and function of cells, tissues, and organ systems. Laboratory stresses microscopic study of cells and tissues. LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. Prerequisite(s): BIOL 1240 and CHEM 1020/1020D/1020L with grades of "C" or better. **(0)**

BIOL 4210 - Introduction to Scientific Literature

Types of biological articles are discussed and reviewed. Students will give both oral and written critiques and summaries of assigned articles. Required of and limited to Biology seniors. Prerequisite(s): Completion of all required Biology courses and BIOL 1240 with grades of "C" or better. **(1)**

BIOL 4220 - Applied and Environmental Microbiology

Study of microorganisms as related to food, water, agricultural, and industrial processes. Prerequisite(s): BIOL 1240 and BIOL 2010/BIOL 2010L with grades of "C" or better. **(3)**

BIOL 4230 - Biology Capstone

Students will synthesize, integrate, and apply the knowledge and skills gained from courses that are part of the Biology degree requirements as well as the core curriculum courses. There will be significant review of the primary literature and students will give both oral and written critiques. Prerequisite(s): Required of and limited to Biology majors with a minimum of 90 credit hours completed and completion of all required Biology courses with grades of "C" or better. **(3, ENGAGEMENTS/Senior Capstone)**

BIOL 4240 - Microbial Physiology

Structure-function relationships in the microbial world, with emphasis on the biochemistry and metabolism of bacteria and selected other forms. Prerequisite(s): BIOL 1240, and BIOL 2010 with grades of "C" or better; CHEM 2210/2210D with a grade of "C" or better, or permission of instructor. **(3)**

BIOL 4250 - Molecular Genetics

Molecular biology of the gene. Special emphasis placed on comparison of gene expression in prokaryotes and eukaryotes. Prerequisite(s): BIOL 1240, BIOL 3110/BIOL 3110L and CHEM 2210/2210D/CHEM 2230L with grades of "C" or better. **(3)**

BIOL 4250L - Molecular Genetics Laboratory

Molecular biology of the gene. Special emphasis placed on comparison of gene expression in prokaryotes and eukaryotes. This course requires either concurrent enrollment in the Molecular Genetics BIOL 4250 lecture, or previous completion of the lecture course. Prerequisite(s): BIOL 1240, BIOL 2010/BIOL 2010L and CHEM 2210/2210D/CHEM 2230L with grades of "C" or better. **(1)**

BIOL 4300 - Advanced Topics in Biology

Designed to permit a student to pursue an in-depth treatment of a topic. Specific topics are announced when the course is offered. Prerequisite(s): BIOL 1240 with a grade of "C" or better, 16 hours of Biology AND permission of instructor. **(0)**

BIOL 4301 - Advanced Topics in Biology

Designed to permit a student to pursue an in-depth treatment of a topic. Specific topics are announced when the course is offered. Prerequisite(s): BIOL 1240 with a grade of "C" or better, 16 hours of Biology AND permission of instructor. **(1)**

BIOL 4302 - Advanced Topics in Biology

Designed to permit a student to pursue an in-depth treatment of a topic. Specific topics are announced when the course is offered. Prerequisite(s): BIOL 1240 with a grade of "C" or better, 16 hours of Biology AND permission of instructor. **(2)**

BIOL 4303 - Advanced Topics in Biology

Designed to permit a student to pursue an in-depth treatment of a topic. Specific topics are announced when the course is offered. Prerequisite(s): BIOL 1240 with a grade of "C" or better, 16 hours of Biology AND permission of instructor. **(3)**

BIOL 4320 - Evolutionary Biology

Modern synthetic theory of evolution with emphasis on the mechanisms involved in this process. Strongly recommended: BIOL 3110/BIOL 3110L. Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 4350 - Epidemiology

Study of the distribution and determinants of diseases and injuries in human populations. The course includes lectures, class discussion, independent module work, and assigned readings and projects. Prerequisite(s): Completion of all required Biology courses in the major or permission of the instructor and BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 4402L - Techniques of Research in Biology

Theory and practice of various modern biological research techniques. Modular, team-taught. May be repeated once for credit. Prerequisite(s): Junior or senior standing and BIOL 1240 with a grade of "C" or better. **(2)**

BIOL 4420 - Applied Stem Cell Biology

This course takes students on a journey into the fast-moving field of stem cell biology. Topics include: development and organogenesis, stem cell types and sources, therapeutic regeneration and repair of tissue, pluripotency and reprogramming, the relationship between stem cells, cancer and other potential undesirable effects, legality and ethics. Prerequisite(s): BIOL 3110 with a grade of "C" or better. **(3)**

BIOL 4444 - Human Genetics

In this course the principles and mechanisms of inheritance as they function in human will be discussed. The topics covered include Inherited Diseases, Reproduction and Genetic Control of Development, Genetic Factors in Behavior, the Role of Genetics in Cancer, Genetic Testing, and Genetic Based Ancestry. Required readings will be selected from journal articles and case studies. Prerequisite(s): A grade of C or better in BIOL 3110. **(3)**

BIOL 4450 - Introduction to Mammalian Tissue Culture

Theory and techniques of mammalian tissue culture with an emphasis on application in basic and clinical research. Prerequisite(s): BIOL 1240, and BIOL 2010 /BIOL 2010L with a grades of "C" or better, and junior or senior standing. Instructor's approval is required since enrollment is restricted. **(3)**

BIOL 4521 - Undergraduate Research

Research in biology with a mentor approved by the Department Head. Students whose research is mandated by a scholarship program, or who receive a stipend for research are not permitted to register for this course. A written report of research is required to be submitted to the mentor at the end of the course. The course may be repeated for credit, but a maximum of 4 credit hours may be earned in BIOL 4521 and BIOL 4522 combined. Prerequisite(s): BIOL 1240 with a grade of "C" or better and permission of the research mentor and the Head of the Department of Biology. **(1)**

BIOL 4522 - Undergraduate Research

Research in biology with a mentor approved by the Department Head. Students whose research is mandated by a scholarship program, or who receive a stipend for research are not permitted to register for this course. A written report of research is required to be submitted to the mentor at the end of the course. The course may be repeated for credit, but a maximum of 4 credit hours may be earned in BIOL 4521 and BIOL 4522 combined. Prerequisite(s): BIOL 1240 with a grade of "C" or better and permission of the research mentor and the Head of the Department of Biology. **(2)**

BIOL 4550 - Advanced Readings in Biology

This course is designed to provide students with an introduction to the literature of the biological sciences at an advanced level. Specific topics and reading selections will vary from year to year. Primarily intended for Biology Education majors. Offered as needed, as a Directed Readings course. Prerequisite(s): Senior standing in Biology and 24 semester hours of Biology and BIOL 1240 with a grade of "C" or better. **(3)**

BIOL 4999 - Senior Comprehensives

Prerequisite(s): BIOL 1240 with a grade of "C" or better. **(0)**

Business Administration

BSAD 1010 - Introduction to Business

Fundamentals of Business Administration; underlying principles of management, and structures and functions of its various departments. Open to business majors as a first business course only. Business minors cannot use course as a Business Elective. Prerequisite(s): None. Open to business majors as a first business course only. Business minors cannot use course as a Business Elective.**(3, FaSpSu)**

BSAD 2011 - Business Communications

Concepts and applications of communication in business settings. Reading, writing, speaking, listening, and use of technology. Team decision-making, ethics, critical thinking, and cross-cultural issues. Prerequisite(s): ENGL 1020. **(3, Fa)**

BSAD 2030 - Business Law

Commercial law as it affects accountancy - CPA law. Prerequisite(s): None **(3, Sp)**

BSAD 2200 - International Business

Addresses the major activities involved in international business. Students are exposed to marketing, finance, economics, management, accounting, taxation, culture, and politics as they apply to international business. Prerequisite(s): SMKT 2050, MGMT 2060 or permission of chairperson or advisor. **(3, FaSp)**

BSAD 3055 - Quantitative Analysis

An introduction to the concepts of various quantitative methods such as Decision Analysis, Forecasting, Linear Programming, Inventory Management, and Project Scheduling and their role in the decision-making process. Prerequisite(s): ECON 2070. **(3, FaSp)**

BSAD 3195 - Computer-Based Information Systems

Provides students with an understanding of applications of the computer to the support of managerial decision-making processes. Topics include basic business information concepts, the organization of information systems, recently developed computer-supported managerial techniques, and problems accompanying advances in computer technology. Prerequisite(s): MGMT 2060. **(3, FaSp)**

BSAD 3901 - Business Administration Internship

Students can earn up to six credit hours for professional work experience in business, industry, or government related to the student's academic program. Students must complete two internship reports in the middle and at the end of the internship. The class is graded on Pass/Fail basis. Prerequisite(s): business department major, completion of 62 degree credit hours and 2.0 or above grade point average, or permission of division chairperson. **(1,Fa,SP,Su)**

BSAD 3902 - Business Administration Internship

Students can earn up to six credit hours for professional work experience in business, industry, or government related to the student's academic program. Students must complete two internship reports in the middle and at the end of the internship. The class is graded on Pass/Fail basis. Prerequisite(s): business department major, completion of 62 degree credit hours and 2.0 or above grade point average, or permission of division chairperson. **(2,Fa,SP,Su)**

BSAD 3903 - Business Administration Internship

Students can earn up to six credit hours for professional work experience in business, industry, or government related to the student's academic program. Students must complete two internship reports in the middle and at the end of the internship. The class is graded on Pass/Fail basis. Prerequisite(s): business department major, completion of 62 degree credit hours and 2.0 or above grade point average, or permission of division chairperson. **(3,Fa,SP,Su)**

BSAD 4000 - Strategic Management

The capstone course that integrates the material learned in the foundation courses of finance, accounting, marketing and management into paradigms for strategic decision makers in domestic and foreign business entities. In addition, innovative strategic tools in contemporary business will be applied to case studies and a comprehensive term project. Senior standing or a written waiver from the division chairperson is mandatory for this course. Prerequisite(s): MGMT 2060, SMKT 2050, FINC 3050, and senior standing. **(3, Sp, ENGAGEMENTS/Senior Capstone)**

BSAD 4501 - Special Topics in Business

Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite(s): Permission of instructor and chairperson. **(1)**

BSAD 4502 - Special Topics in Business

Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite(s): Permission of instructor and chairperson. **(2)**

BSAD 4503 - Special Topics in Business

Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite(s): Permission of instructor and chairperson. **(3)**

BSAD 4999 - Senior Comprehensives

Prerequisite(s): Senior standing. **(0, FaSp)**

Chemistry

To register for any Chemistry course, a grade of "C" or better is required in all the Chemistry prerequisite courses.

CHEM 1004 - Chemistry of Art (Non-science majors)

This course is designed for non-science majors. It may be of special interest to art majors but artistic talent is not necessary to succeed. This course studies the fundamentals of chemistry and scientific principles as they relate to art, art media, and art history. Scientific fundamentals will be used to explain how art objects are observed, composed, manufactured, forged, and conserved. Regular lab sessions will be conducted during the semester.
Prerequisite(s): Completion of all developmental Reading and Math, if required. **(3, EXPLORATIONS/Scientific Reasoning)**

CHEM 1005 - Food Chemistry (Non-science majors)

This course explores the chemistry of food and the cooking process from a scientific basis. The aim of this course is to explore the chemistry of food through lecture, discussion, hands-on-activities and laboratory experiments. Students will be introduced to the Scientific Method; basic chemical concepts involving matter and energy with a focus on solutions; and to the basic food categories (carbohydrates, lipids, proteins, minerals and water). Students will explore taste and flavor and the use of various cooking methods. Each week students will create an edible experiment and explore the chemistry of each dish. Prerequisite(s): Completion of all developmental Reading and Math, if required. **(3, EXPLORATIONS/Scientific Reasoning)**

CHEM 1010/1010D - General Chemistry I

An introduction to chemistry, including chemical reactions, stoichiometry, thermochemistry, gases, atomic structure, periodic trends, bonding, molecular structure, physical properties, and intermolecular forces. Three lecture hours and one drill session per week. Prerequisite(s): Completion of all developmental Reading and Math, if required. Corequisite(s): CHEM 1010 and CHEM 1010D must be taken concurrently. Students may not earn credit for both CHEM 1010 and CHEM 1110/1110D. **(3, EXPLORATIONS/Scientific Reasoning if taken with CHEM 1011L)**

CHEM 1011L - General Chemistry I Laboratory

Students are introduced to explorations of chemical and/or physical systems by discovering concepts rather than verifying them. Students who complete this course will be able to identify pertinent variables, recognize qualitative

trends in data, determine quantitative relationships and test the validity of conclusions on a particular chemical or physical system. 1011L is a one session per week 3-hour laboratory. Prerequisite(s): Completion of all developmental Reading and Math, if required. Corequisite(s): CHEM 1010/1010D. Students may not earn credit for both CHEM 1011L and CHEM 1111L. **(1)**

CHEM 1020/1020D - General Chemistry II

A continuation of the introduction to chemistry. Topics include solutions, acid/base chemistry, kinetics, equilibrium, electrochemistry, and nuclear chemistry. Three lecture hours and one drill session per week. Prerequisite(s): CHEM 1010/1010D or CHEM 1110/1110D. Corequisite(s): CHEM 1020 and CHEM 1020D must be taken concurrently. Students may not earn credit for both CHEM 1020 and CHEM 1120/1120D. **(3)**

CHEM 1021L - General Chemistry II Laboratory

Students are introduced to a series of experiments in which schemes for separation and identification of mixtures of inorganic cations are utilized. Students will also conduct experiments introducing them to a variety of techniques in acid-base titrations, electrochemistry, and kinetic studies. Students who complete this course will be familiar with the techniques and principles of qualitative inorganic analysis. In addition, students will develop basic laboratory skills necessary for upper-level courses and for research. 1021L is a one session per week 3-hour laboratory. Prerequisite(s): CHEM 1010/1010D/CHEM 1011L or CHEM 1110/1110D/CHEM 1111L. Corequisite(s): CHEM 1020/1020D/CHEM 1020D . Students may not earn credit for both CHEM 1021L and CHEM 1121L. **(1)**

CHEM 1110/1110D - Chemistry I

Introduction to chemistry, including stoichiometry, atomic theory, molecular structure, bonding, chemical reactions, physical properties, periodic trends, gases, and intermolecular forces. Three lecture hours and one drill session per week. Prerequisite(s): Completion of all developmental Reading and Math, if required. Corequisites: CHEM 1110/CHEM 1110D/CHEM 1111L must be taken concurrently. Students may not earn credit for both CHEM 1010/1010D and CHEM 1110/CHEM 1110D. **(3, EXPLORATIONS/Scientific Reasoning if taken with CHEM 1111L)**

CHEM 1111L - Chemistry I Laboratory

Students are introduced to methods used to explore chemical/physical systems. Emphasis will be placed on data collection and analysis, and developing the lab skills required for upper-level courses. Experiments will cover a range of topics, including methods of measurement, chemical and physical properties of compounds, chemical reactivity, acid-base reactions, thermochemistry, and electrochemistry. One three-hour lab per week. Prerequisite(s): Completion of all developmental Reading and Math, if required. Corequisite(s): CHEM 1110/1110D/1111L must be taken concurrently. Students may not earn credit for both CHEM 1011L and CHEM 1111L. **(1)**

CHEM 1120/1120D - Chemistry II

A continuation of the introduction to chemistry, including stoichiometry, properties of solutions, kinetics, equilibria, thermodynamics, electrochemistry, and nuclear chemistry Three lecture hours and one drill session per week. Prerequisite(s): CHEM 1110/1110D/CHEM 1111L or CHEM 1010/1010D/CHEM 1011L. Corequisite(s): CHEM 1120/CHEM 1120D/CHEM 1121L must be taken concurrently. Students may not earn credit for both CHEM 1020/1020D and CHEM 1120/1120D. **(3)**

CHEM 1121L - Chemistry II Laboratory

A continuation of the introduction to methods used to explore chemical/physical systems. The lab focuses on understanding chemical reactions and their uses for qualitative and quantitative analysis of systems. Emphasis is placed on application of the scientific method and writing skills. One three-hour lab per week. Prerequisite(s): CHEM 1110/1110D/CHEM 1111L or CHEM 1010/1010D/CHEM 1011L. Corequisite(s): CHEM 1120/1120D/1121L must be taken concurrently. Students may not earn credit for both CHEM 1021L and CHEM 1121L. **(1)**

CHEM 2210/2210D - Organic Chemistry I

Introduction to the structural theories, physical and chemical behavior, simple synthesis, basics of reaction mechanisms, and identification of compounds composed primarily of carbon and hydrogen. The critical thinking skills needed to apply this information to a wide variety of problems, both professional and societal, are strongly developed. Three lecture hours and one drill session per week. Prerequisite(s): CHEM 1020/1020D or CHEM 1120/1120D. Corequisite(s): CHEM 2210 and CHEM 2210D must be taken concurrently. **(3)**

CHEM 2220/2220D - Organic Chemistry II

A continuation of the introduction to the structural theories, physical and chemical behavior, synthesis, reaction mechanisms, and identification of compounds composed primarily of carbon and hydrogen. This course has significant emphasis on synthesis, reaction mechanisms, and spectroscopy. Students who complete the course will become familiar with the large body of information required before the chemistry of living systems (biochemistry and molecular biology) can be studied. The critical thinking skills needed to apply this information to a wide variety of problems, both professional and societal, are strongly developed. Three lecture hours and one drill session per week. Prerequisite(s): CHEM 2210/2210D. Corequisite(s): CHEM 2220 and CHEM 2220D must be taken concurrently. **(3)**

CHEM 2230L - Organic Chemistry I Laboratory

Students are introduced to microscale and macroscale organic laboratory techniques, selected instrumental analyses, and chemical safety. Students learn to critically assess their data and observations. Students get hands-on experience with organic reactions, instrumental analyses, and interpretation as well as presentation of results. Prerequisite(s): CHEM 1011L or CHEM 1111L. Corequisite(s): CHEM 2210/2210D. **(1)**

CHEM 2240L - Organic Chemistry II Laboratory

Students get hands-on experience with performing microscale and macroscale organic laboratory techniques, selected instrumental analyses, organic reactions, and syntheses. Students learn to critically assess their data and observations, and to prepare organized, scientific reports from their findings. Prerequisite(s): CHEM 2230L. Corequisite(s): CHEM 2220/2220D. **(1)**

CHEM 3010 - Physical Chemistry for the Life Sciences

Principles of physical chemistry as applied to biological and biomedical systems. Students who complete this course will gain an understanding of the physical properties of solids, liquids, and gases, the laws of thermodynamics, the properties of solutions, principles of chemical equilibria and chemical kinetics, quantum mechanical treatment of atoms and molecules, and the theory and applications of spectroscopy. The course will develop the critical thinking and computational skills of the students. Prerequisite(s): MATH 1070, PHYS 2010/PHYS 2010L, and CHEM 3210/CHEM 3210L. Students may not earn credit for both CHEM 3010 and CHEM 3030. **(3)**

CHEM 3011 - Inorganic Chemistry

A study of the theories and principles of bonding and structure, as well as the descriptive chemistry and applications of the elements and their simple compounds. A student completing this course will be familiar with the information

needed to connect the fundamental theories of inorganic chemistry with the new technological applications of inorganic compounds. Prerequisite(s): CHEM 2220/2220D. **(3)**

CHEM 3030 - Physical Chemistry I

A survey of the principles of physical chemistry including thermodynamics, phase equilibria, chemical equilibria, electrochemistry, and kinetics. Students who complete this course will gain an in-depth understanding of the principles governing the interaction of matter and energy, and will develop their critical thinking and computational skills. Prerequisite(s): CHEM 3210/CHEM 3210L, MATH 2070, and PHYS 2020/PHYS 2020L. Students may not earn credit for both CHEM 3010 and CHEM 3030. **(3)**

CHEM 3030L - Physical Chemistry I Laboratory

A selection of experiments featuring the applications of the principles of physical chemistry. Experiments include the use of physical chemistry techniques to examine the properties of solids, liquids, and gases, reaction kinetics, and systems at equilibrium. The course requires extensive computational and writing skills. One three-hour laboratory per week. Prerequisite(s): CHEM 3210/CHEM 3210L. Corequisite(s): CHEM 3010 or CHEM 3030. **(1)**

CHEM 3040 - Physical Chemistry II

Advanced topics in atomic and molecular quantum theory, atomic and molecular structure, spectroscopy, and photochemistry. Students who complete this course will gain an understanding of the properties of atoms and molecules, and the principles of the different types of spectroscopy. Prerequisite(s): CHEM 3210/CHEM 3210L, MATH 2070, and PHYS 2020/PHYS 2020L. **(3)**

CHEM 3040L - Physical Chemistry II Laboratory

A selection of experiments featuring the applications of the principles of physical chemistry. Experiments include the use of physical chemistry techniques to examine the properties of solids, liquids, and gases, and various spectroscopic techniques to characterize substances. The course requires extensive computational and writing skills. One three-hour laboratory per week. Prerequisite(s): CHEM 3030 (or CHEM 3010) and CHEM 3030L. **(1)**

CHEM 3130 - Introduction to Biochemistry

The student's understanding of cellular structure and composition on the molecular level will be developed through a study of the physical and chemical properties of the biomolecules of cells. Prerequisite(s): CHEM 2220/2220D/CHEM 2240L. **(3)**

CHEM 3130L - Introduction to Biochemistry Laboratory

A selection of experiments covering the isolation of biochemical substances and the study of their properties. This course will enable the student to readily perform isolations of a number of types of biochemical substances, and to determine their properties and concentrations while gaining some skills in the use of common laboratory techniques and instruments. Prerequisite(s): CHEM 2220/2220D/CHEM 2240L. Corequisite(s): CHEM 3130. **(1)**

CHEM 3210 - Quantitative Analysis

Theory and techniques of chemical analysis including evaluation of data, gravimetric, volumetric, potentiometric, and spectrophotometric methods. Prerequisite(s): CHEM 1020/1020D/CHEM 1021L (or CHEM 1120/1120D/CHEM 1121L). **(3)**

CHEM 3210L - Quantitative Analysis Laboratory

Techniques of chemical analysis including evaluation of data, volumetric, potentiometric, and spectrophotometric methods. 3210L is a one session four-hour laboratory. Prerequisite(s): CHEM 1020/1020D/CHEM 1021L (or CHEM 1120/1120D/CHEM 1121L). Corequisite(s): CHEM 3210. **(1)**

CHEM 3450 - Toxicology

A study of the fundamental principles of toxicology with emphasis on the chemical reactions and mechanisms involved. Topics include entry and fate of toxicants in the body, metabolism, toxic effects, and quantitation. A student completing this course will have a better understanding of the adverse effects of chemicals and other agents to human beings. Prerequisite(s): CHEM 2220/2220D, and BIOL 1240. **(3)**

CHEM 4011 - Advanced Inorganic Chemistry

A study of the theories and principles of coordination chemistry, solution chemistry, and applications of organometallic and bioinorganic compounds. A student completing this course will be familiar with the information needed to relate coordination compounds and their reactions to the expanding applied fields of organometallics, catalysis, and bioinorganic chemistry. Prerequisite(s): CHEM 3011 and CHEM 3010 (or CHEM 3030). **(3)**

CHEM 4060 - Advanced Biochemistry

Students will explore the biological chemistry of specialized cellular processes including genome structure and organization, DNA replication and repair, transcription, translation, and regulation of these processes. Specialized processes of chloroplasts and mitochondria will also be examined. Prerequisite(s): CHEM 3130. **(3)**

CHEM 4073 - Chemistry Literature Research

Students participate in an independent literature research project under the close supervision of a faculty advisor. This entails familiarization with relevant chemical literature, literature search, preparation of an abstract and a written report, and presentation of a departmental seminar. Students who complete this course learn to search and critically review the literature, evaluate their findings, prepare a formal and detailed research report, and present a seminar for constructive review by their peers and the faculty. Prerequisite(s): CHEM 2220/2220D/CHEM 2240L **(3)**

CHEM 4080 - Introduction to Research

Students are paired with faculty research mentors who prepare them for research. This is primarily accomplished by searching, reading, and summarizing scientific literature relevant to the field of research. Students enrolled in this course also gain valuable research training in relevant laboratory techniques and laboratory safety. Students are required to attend weekly departmental seminars, participate and complete scientific literature assignments, and complete an annotated bibliography. This is a pass/fail course that requires students earn a minimum grade of 80% to pass. Prerequisite(s): CHEM 2220/2220D/CHEM 2240L and permission of the Department Head. **(0)**

CHEM 4083 - Undergraduate Research

Students participate in an independent and original laboratory research project under the close supervision of a faculty advisor. This entails familiarization with relevant chemical literature, laboratory work, preparation of an abstract and written report, and presentation of a departmental seminar. Students who complete this course learn to search and critically review the literature, develop specialized laboratory skills, evaluate their data, prepare a formal and detailed research report, and present a seminar for constructive review by their peers and the faculty. Students desiring credit for

research performed off campus must obtain approval of their project from the course coordinator, register for this course, and present the required written and oral reports and a letter of evaluation from the off-campus supervisor of the research. This course may be used as a senior capstone experience with permission of the Department Head. Prerequisite(s): CHEM 4080 or permission of the Department Head. **(3)**

CHEM 4140 - Metabolism

A study of biochemical energetics and the many biochemical pathways of carbohydrate, lipid, protein, and nucleic acid metabolism. The student will gain insight into the metabolism of biochemical substances on the molecular level, and insight into the universal and integrated nature of metabolism. Prerequisite(s): CHEM 3130. **(3)**

CHEM 4150L - Genomics and Proteomics Laboratory

This course is designed to introduce students to the laboratory and computational methodologies used in analyzing DNA and proteins using modern molecular biology, chemistry, and bioinformatics techniques. A student completing this course will have better insight into the theoretical and practical aspects of the structure and function of DNA and proteins. This course may be used as a senior capstone experience. Prerequisite(s): CHEM 3130/CHEM 3130L. **(2, ENGAGEMENTS/Senior Capstone)**

CHEM 4151 - Special Topics

Detailed discussion of one or more topics in chemistry. **(1)**

CHEM 4152 - Special Topics

Detailed discussion of one or more topics in chemistry. **(2)**

CHEM 4153 - Special Topics

Detailed discussion of one or more topics in chemistry. **(3)**

CHEM 4210 - Advanced Organic Chemistry

The aim of this course is to solidify the student's understanding of certain basic concepts covered in CHEM 2210/2210D-CHEM 2220/2220D. Structures of organic compounds, reaction mechanisms, and stereochemistry of organic reactions are emphasized. The student will gain a deeper understanding of these topics and insight into the experimental foundation of abstract concepts. Prerequisite(s): CHEM 2220/2220D. **(3)**

CHEM 4230 - Principles of Polymer Chemistry

Topics include polymer solutions, molecular weight measurement, analysis and testing, mechanical properties, polymer structure and physical properties, polymerization methods, and polymer processing. Prerequisite(s): CHEM 2220/2220D/CHEM 2240L and CHEM 3010 (or CHEM 3030) or permission of the instructor. **(3)**

CHEM 4240/4240L - Instrumental Methods of Chemical Analysis

An introduction to the theories, operations, and applications of spectroscopic, electrochemical, and chromatographic instrumentation in chemical analysis. Students will acquire hands-on experience in the operation and use of several instruments commonly employed in chemical analysis. Students who successfully complete this course will have

developed the critical thinking and laboratory skills necessary to apply various instrumentation to the solution of problems in chemical analysis. Laboratory meets in one four-hour session. CHEM 4240/4240L must be taken concurrently. Prerequisite(s): CHEM 3210/CHEM 3210L. Corequisite(s): CHEM 4240/4240L must be taken concurrently. **(4)**

CHEM 4250 - Drug Design and Synthesis

This course will provide an overview of fundamental principles of medicinal chemistry including drug development, drug design, lead compound discovery, and drug synthesis. Emphasis will be placed on the chemical reactions and mechanisms involved. An overview of drug classes and mechanisms of activity will be included. Prerequisite(s): CHEM 2220/2220D. **(3)**

CHEM 4310L - Synthesis Laboratory

Advanced methods in the synthesis and characterization of organic and inorganic compounds; includes an independent project. A wide range of compounds are synthesized, including organic, bioinorganic, organometallic, and coordination compounds. Concepts and principles of green chemistry are introduced and incorporated throughout the course. The student is expected to become skilled in a variety of synthetic and spectroscopic techniques used in a modern chemistry laboratory. By the end of the semester, the student should be able to independently research a synthetic problem and design a procedure to execute that synthesis. The student will also be able to report experimental results using the format approved by the American Chemical Society for publications. This course may be used as a senior capstone experience. Prerequisite(s): CHEM 2220/2220D/CHEM 2240L and CHEM 3210/CHEM 3210L. **(2, ENGAGEMENTS/Senior Capstone)**

CHEM 4320L - Molecular Structure and Organic Synthesis Laboratory

Students perform multi-step synthesis and identify unknown and synthesized compounds. A variety of chemical and spectroscopic characterization methods are used. This course seeks to bridge the gap between the elementary organic lab and the advanced organic research lab. It allows students to develop critical reasoning skills, computational skills and oral and written presentation skills necessary for a professional career in science. This course may be used as a senior capstone experience. Prerequisite(s): CHEM 2220/2220D and CHEM 2240L. **(2, ENGAGEMENTS/Senior Capstone)**

CHEM 4350 - Drug Design Using Computational Chemistry

The course will introduce students to the basic computational molecular modeling tools used in drug design and development process. The most commonly used techniques in the drug discovery such as building 3D-models of organic molecules, study their structural properties, Structure Activity Relationship studies (QSAR), molecular docking studies, pharmacophore development and database search will be taught in this course. The relationship between the structure of the drug and its bioactivity will be analyzed followed by identification of structural features that can be modified to improve the efficacy of the drug. Prerequisite(s): CHEM 2220/2220D. **(3)**

CHEM 4999 - Senior Comprehensives

(0)

Chinese

CHIN 1010 - Elementary Mandarin

CHIN1010 is the first of two courses that are designed to introduce students to modern Mandarin Chinese. It aims to help the learners with their communicative ability in Chinese through learning language structures, functions, and related cultural background knowledge as well as through structured listening, speaking, reading and writing skill training. Upon successful completion of the course, the students will be able to conduct basic daily conversation, read and write about 150 Chinese characters/phrases, understand Chinese grammar and phonetic system (pinyin), and gain an understanding and appreciation of major Chinese cultural traditions, festivals, and lifestyle. **(3)**

CHIN 1020 - Elementary Mandarin

CHIN 1020 is the second of the two courses that are designed to introduce students to modern Mandarin Chinese. It also aims to consolidate students' listening, speaking, reading, and writing skills through enhanced understanding and application of the grammar, vocabulary, structures, and functions of the Chinese language. Students who have successfully completed CHIN 1020 will be able to recognize and write about 240 Chinese characters/phrases, further develop fundamental language skills, apply their Chinese skills in a communicative context, and increase their understanding of the Chinese culture and society. Prerequisite: CHIN 1010 **(3)**

CHIN 1090 - Conversation and Culture

This is an optional course toward the Chinese Minor. By taking the class, students will further develop their language skills in Chinese based on the beginner courses (CHIN 1010 or CHIN 1020). This course focuses on developing listening and spoken skills of the course participants. Students will mainly examine their Chinese pronunciation and tones, learn new grammar patterns and practice the newly acquired grammar and vocabulary. Organized in-class activities include daily dictation, bi-weekly tests, and completing oral exercises such as retelling stories, discussing texts, making up dialogues, giving presentations, and performing skits. Prerequisite(s): CHIN 1020 **(3)**

CHIN 2010 - Intermediate Mandarin

The course is designed to further develop the language skills in Chinese based on the beginner's courses (CHIN 1010 and CHIN 1020). The course consists of one semester with a continued focus on developing listening, spoken and reading skills of the course participants. Students will use varied methods in class to practice vocabulary and sentence patterns, as well as to learn conversation skills. These methods include paired dialogues, role play, group discussion, debate, acting out situations, and practice in both oral and written translation. Prerequisites: One year of Chinese language learning experience, or completion of CHIN 1010 and CHIN 1020. **(3)**

CHIN 2020 - Intermediate Chinese

The course builds on the language skills through the intermediate course (CHIN 2010). The course consists of one semester with a continued focus on developing listening, spoken, grammar and reading skills of the course participants. By the end of the course, participants should be able to communicate freely in daily life situations, to describe some events and to express their own ideas and views while engaged in discussion in a limited range of topics. They will be introduced to a further 440 characters and about 750 words. Prerequisite(s): CHIN 2010 **(3)**

CHIN 3010 - Special Topics in Chinese

This course aims to help the learners with their communicative ability in Chinese and intensive understanding of Chinese through learning language structures, functions, and related cultural background knowledge as well as through structured listening, speaking, reading and writing skill training. These methods include cultural exposure, learning output presentation, intensive writing, and performances. This course is ideal for students who have completed CHIN 2020 or have studied Chinese for at least two years. **(3)**

CHIN 3011 - Readings in Chinese Literature

This course is ideal for students who have completed CHIN 3010 or have studied Chinese for at least three years. It aims to further enhance the learners' Chinese language skills and comprehension through readings such as poems and idioms in different periods of the Chinese history. Through studying the different style of literature, students will learn more about the language as well as the historical background. Prerequisite(s): CHIN 3010 **(3)**

CHIN 3012 - Advanced Chinese

This course is designed for students who have completed CHIN 3011 or have studied Chinese for at least three and a half years. It aims to further develop the language skills in Chinese through a continued focus on developing listening, speaking, and reading skills of course participants. By the end of the course, students will be able to communicate freely on daily bases, to describe some events and express their own ideas and opinions in discussing a limited range of topics, as well as utilize complex social, historical, and cultural topics in a Chinese setting. Prerequisite(s): CHIN 3011. **(3)**

CHIN 3016 - Advanced Chinese II

The course is ideal for students who have completed CHIN 3012 or have studied Chinese for at least four years. The course will focus on developing listening, speaking, and reading skills of the course takers. By the end of the course, students will be able to communicate freely on a daily basis, to describe some events and to express their own ideas and opinions in discussing a limited range of topics. Prerequisite(s): CHIN 3012. **(3)**

Clinical Pharmacy

The Fall (Fa), Spring (Sp), or Summer (Su) sessions indicated are expected but are not guaranteed.

PCLN 3601 - Introductory Pharmacy Practice Experience I - Wellness

Students teach healthy nutrition and lifestyle to local elementary and middle school students. *Prerequisite: Admission to the College of Pharmacy* **(1, FaSp)**

PCLN 3605 - Introductory Pharmacy Practice Experience I- Community

Students gain introductory pharmacy practice experience by completing 75 hours in a community pharmacy practice setting with additional lecture/lab activities to enhance the rotation experience. Prerequisite(s): PCLN 3601. **(1, Sp)**

PCLN 3630 - Professional Practice

Designed to provide the foundation for students' development as pharmacy professionals. Topics include fundamental principles, skills and knowledge essential to pharmacy practice. *Prerequisite: Admission to College of Pharmacy Co-requisite: PCLN 3630 and PCLN 3630L are mutually corequisite* **(2, Fa)**

PCLN 3630L - Professional Abilities Lab (PAL) I

Designed to provide the foundation for students' development as pharmacy professionals. Topics include fundamental principles, skills and knowledge essential to pharmacy practice. *Prerequisite: Admission to College of Pharmacy* Co-requisite: PCLN 3630 and PCLN 3630L are mutually corequisite **(1, Fa)**

PCLN 3700 - Introduction to Therapeutics

Introduces students to the basic principles of patient care, the essential skills needed to develop a pharmaceutical care plan. Also focuses on self-care and managing patients who are candidates for non-prescription pharmacotherapy. Prerequisite(s): PCLN 3630 /PCLN 3630L, PHCL 3620/ PHCL 3620L Corequisite(s): PHCT 3050/PHCT 3050L, PHCL 3630, and PHSC 3910 **(2, Sp)**

PCLN 4601 - Introductory Pharmacy Practice Experience II-Community

Students gain introductory pharmacy practice experience by completing 75 hours in a community pharmacy practice setting with additional lecture/lab activities to enhance the rotation experience. Prerequisite(s): PCLN 3601. **(1, FaSp)**

PCLN 4602 - Introductory Pharmacy Practice Experience II-Institutional

Students gain introductory pharmacy practice experience by completing 50 hours in an institutional/hospital pharmacy practice setting with additional lecture/lab activities to enhance the rotation experience. Prerequisite(s): PCLN 3601. **(1, FaSp)**

PCLN 4603 - Introductory Pharmacy Practice Experience II-Patient Interview

Students provide counseling to patients. The focus for the second year course is acquiring patient interviewing skills. Prerequisite(s): PCLN 3601 and PCLN 3605. **(1, FaSp)**

PCLN 4630L - Professional Abilities Lab (PAL) II

Designed to assist in the development of skills in pharmaceutical calculations, patient assessment and interviewing as related to specific disease states. Prerequisites: PCLN 3630, PCLN 3630L *Corequisites: PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, and PCLN 4774* **(1, Fa)**

PCLN 4640L - Professional Abilities Lab (PAL) III

Designed to assist in the development of skills in pharmaceutical calculations, patient assessment and interviewing as related to specific disease states. *Prerequisites: PCLN 4630L Corequisite: PCLN 4775, PCLN 4776, PCLN 4777, and PCLN 4778* **(1, Sp)**

PCLN 4710 - Advanced Topics in Critical Care Pharmacy Online/Hybrid

Designed to expose third professional year pharmacy students to advanced topics in critical care medicine. Presents the students with an evidence based approach to the therapeutic and supportive management of critically ill patients. Using a therapeutics, systems approach in therapy management, critical care topics not introduced in advanced topics in nutrition support, trauma medicine, emergency medicine and palliative care will be addressed. Prerequisites: PHSC 5910 and PCLN 5310, PCLN 5320, and PCLN 5330 **(2, Sp)**

PCLN 4770 - Therapeutics: Immunology & Rheumatologic Diseases

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers immunology and rheumatology disease states. Prerequisites: PCLN 3700, PHSC 3650, PHSC 3910, and PHCL 3630 Co-requisites: PHSC 4910 and PCLN 4630L **(1, Fa)**

PCLN 4771 - Therapeutics: Dermatology & Respiratory Diseases

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers dermatology and respiratory disease states. Prerequisites: PCLN 3700, PHSC 3650, PHSC 3910, and PHCL 3630 Co-requisites: PHSC 4910 and PCLN 4630L **(2, Fa)**

PCLN 4772 - Therapeutics: Cardiology I

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers hypertension and hyperlipidemia disease states. Prerequisites: PCLN 3700, PHSC 3650, PHSC 3910, and PHCL 3630 Co-requisites: PHSC 4910 and PCLN 4630L **(1, Fa)**

PCLN 4773 - Therapeutics: Endocrine

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers diabetes and thyroid diseases. Prerequisites: PCLN 3700, PHSC 3650, PHSC 3910, and PHCL 3630 Co-requisites: PHSC 4920 and PCLN 4640L. **(2, Sp)**

PCLN 4774 - Therapeutics: Gastroenterology & Hepatology

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers disease states of the upper and lower gastrointestinal tracts and liver. Prerequisites: PCLN 3700, PHSC 3650, PHSC 3910, and PHCL 3630 Co-requisites: PHSC 4920 and PCLN 4640L. **(2, Sp)**

PCLN 4775 - Therapeutics: Fluids/Electrolytes/Renal

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers renal disease, fluids and electrolyte balance and acid-base. Prerequisite(s): PCLN 3700, PHSC 3650, PHSC 3910, and PHCL 3630. Corequisite(s): PHSC 3650, PHSC 3910, and PHCL 3630. PHSC 4910 and PCLN 4630L. **(2, Fa)**

PCLN 4776 - Therapeutics: Cardiology II

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers acute coronary syndromes, arrhythmias, deep vein thrombosis and heart failure. Prerequisite(s): PCLN 3700 and PCLN 4772. Corequisite(s): PHSC 4910 and PCLN 4630L. **(2, Fa)**

PCLN 4777 - Therapeutics: Neurology

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers seizures, stroke and pain management. Prerequisites: PCLN 3700 and PCLN 4772 Corequisites: PHCT 4800, PHSC 4920, and PCLN 4640L **(2, Sp)**

PCLN 4778 - Therapeutics: Psychiatry

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers depression, anxiety, bipolar disorder, ADHD, insominia, and schizophrenia. Prerequisites: PCLN 3700 and PCLN 4773 Corequisites: PHCT 4800, PHSC 4920, and PCLN 4640L **(2, Sp)**

PCLN 5001 - Medication Therapy Management

Designed to expose students to the knowledge and skills needed to complete, develop, and or/establish medication therapy management services. Provides student experience in interviewing patients, identifying and prioritizing medication-related problems, developing and implementing interventions, and documenting activities. Students will receive the APhA MTM Certificate Training recognition upon successful completion of the course. Prerequisite(s): PCLN 3601, PCLN 3602 , PCLN 4601, and PCLN 4602. **(2)**

PCLN 5310 - Therapeutics: Infectious Disease I

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers principles of infectious diseases, antimicrobial pharmacokinetics, and bacterial diseases. Prerequisites: PCLN 3700 and PHCT 4800 Corequisites: PCLN 5610L and PHSC 5910 **(3, Fa)**

PCLN 5320 - Therapeutics: Infectious Disease II

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers immunization, tuberculosis, fungal, viral, sexually transmitted, and parasitic disesases. Prerequisites: PCLN 3700 and PHCT 4800 Corequisites: PCLN 5610L and PHSC 4910 **(1, Fa)**

PCLN 5330 - Therapeutics: Oncology

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers oncology. Prerequisites: PCLN 3700 and PHCT 4800 Corequisites: PCLN 5610L and PHSC 5910 **(2, Fa)**

PCLN 5440 - Therapeutics: Transplant/Obesity

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers transplant and obesity. Prerequisites: PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, PCLN 4774, PCLN 4775, PCLN 4776, PCLN 4777, PCLN 4778, and PHSC 5910 Corequisites: PCLN 5620L **(1, Sp)**

PCLN 5450 - Therapeutics: Men's/Women's Health

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers osteoporosis, pregnancy and prostate disorders. Prerequisites: PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, PCLN 4774, PCLN 4775, PCLN 4776, PCLN 4777, PCLN 4778, PHCT 4800, and PHSC 5910 Corequisites: PCLN 5620L **(1, Sp)**

PCLN 5460 - Therapeutics: Pediatrics/Geriatrics

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers disorders that affect pediatric and geriatric populations. Prerequisites: PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, PCLN 4774, PCLN 4775, PCLN 4776, PCLN 4777, PCLN 4778, PHCT 4800, and PHSC 5910 Corequisites: PCLN 5620L **(2, Sp)**

PCLN 5470 - Therapeutics: Nutrition/Critical Care

Integrates pathophysiology, pharmacogenomics and information on the natural course of diseases in a population as well as the effect of interventions at critical points to improve patients' outcomes and quality of life. Covers critical care, nutrition support and emergency medicine. Prerequisites: PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, PCLN 4774, PCLN 4775, PCLN 4776, PCLN 4777, PCLN 4778, PHCT 4800, and PHSC 5910 Corequisites: PCLN 5620L **(2, Sp)**

PCLN 5601 - Introductory Pharmacy Practice Experience III - Clinical

Provides students' first exposure to clinical pharmacy activities with actual patients in ambulatory and inpatient settings. Activities include; chart reviews, rounding, case presentations, and journal clubs. Prerequisites: PCLN 4601, PCLN 4602, PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, and PCLN 4774 **(1, FaSp)**

PCLN 5602 - Introductory Pharmacy Practice Experience III - Medication Counseling

Students provide medication and lifestyle counseling to patients. Prerequisites: PCLN 4601, PCLN 4602, PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, and PCLN 4774 **(1, FaSp)**

PCLN 5610L - Professional Abilities Lab (PAL) IV

Designed to assist in the development of skills in pharmaceutical calculations, patient assessment and interviewing as related to specific disease states. *Prerequisite: PCLN 4640L Corequisites: PCLN 5310, PCLN 5320, and PCLN 5330* **(1, Fa)**

PCLN 5620L - Professional Abilities Lab (PAL) V

Designed to assist in the development of skills in pharmaceutical calculations, patient assessment and interviewing as related to specific disease states. Prerequisite: PCLN 5610L Corequisites: PCLN 5440, PCLN 5450, PCLN 5460, and PCLN 5470 **(1, Sp)**

PCLN 6301 - Community Pharmacy Practice

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to community (retail) pharmacy practice. Student, under the direct supervision of a Registered Pharmacist- Preceptor, will be exposed to all of the ethical, legal, professional and managerial functions required of a competent pharmacist in a community-based practice site. Specific activities include: receiving, dispensing and compounding prescriptions; and advising patients on the proper use of prescription and non-prescription medications, products, supplies, and/or devices. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6302 - Community Pharmacy Practice Elective I

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to community (retail) pharmacy practice. Student, under the direct supervision of a Registered Pharmacist- Preceptor, will be exposed to all of the ethical, legal, professional and managerial functions required of a competent pharmacist in a community-based practice site. Specific activities include: receiving, dispensing and compounding prescriptions; and advising patients on the proper use of prescription and non-prescription medications, products, supplies, and/or devices. Prerequisite(s): Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6303 - Community Pharmacy Practice Elective II

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to community (retail) pharmacy practice. Student, under the direct supervision of a Registered Pharmacist- Preceptor, will be exposed to all of the ethical, legal, professional and managerial functions required of a competent pharmacist in a community-based practice site. Specific activities include: receiving, dispensing and compounding prescriptions; and advising patients on the proper use of prescription and non-prescription medications, products, supplies, and/or devices. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6304 - Community Pharmacy Practice Elective III

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to community (retail) pharmacy practice. Student, under the direct supervision of a Registered Pharmacist- Preceptor, will be exposed to all of the ethical, legal, professional and managerial functions required of a competent pharmacist in a community-based practice site. Specific activities include: receiving, dispensing and compounding prescriptions; and advising patients on the proper use of prescription and non-prescription medications, products, supplies, and/or devices. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6305 - Hospital Pharmacy Practice

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to hospital and institutional pharmacy services. Under the direct supervision of a Registered Pharmacist-Preceptor, the student will actively participate in drug distribution, intravenous admixture services and institutional practice management. The student will learn how these activities are interrelated and coordinated with other healthcare providers (physicians, nurses, etc.) involved with drug use throughout the institution. Participating hospitals are selected on the basis of their broad range of pharmaceutical services. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6306 - Hospital Pharmacy Practice Elective I

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to hospital and institutional pharmacy services. Under the direct supervision of a Registered Pharmacist-Preceptor, the student will actively participate in drug distribution, intravenous admixture services and institutional practice management. The student will learn how these activities are interrelated and coordinated with other healthcare providers (physicians, nurses, etc.) involved with drug use throughout the institution. Participating hospitals are selected on the basis of their broad range of pharmaceutical services. Prerequisite (s): Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6307 - Hospital Pharmacy Practice Elective II

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to hospital and institutional pharmacy services. Under the direct supervision of a Registered Pharmacist-Preceptor, the student will actively participate in drug distribution, intravenous admixture services and institutional practice management. The student will learn how these activities are interrelated and coordinated with other healthcare

providers (physicians, nurses, etc.) involved with drug use throughout the institution. Participating hospitals are selected on the basis of their broad range of pharmaceutical services. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6308 - Hospital Pharmacy Practice Elective III

Professional experience rotations designed to provide experience in the delivery of pharmaceutical care as it relates to hospital and institutional pharmacy services. Under the direct supervision of a Registered Pharmacist-Preceptor, the student will actively participate in drug distribution, intravenous admixture services and institutional practice management. The student will learn how these activities are interrelated and coordinated with other healthcare providers (physicians, nurses, etc.) involved with drug use throughout the institution. Participating hospitals are selected on the basis of their broad range of pharmaceutical services. Prerequisite(s): Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6312 - Ambulatory Care Practice

Professional experience involving direct patient care in monitoring the patient's medications for appropriateness of therapy; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance activities for ultimate collaboration among all healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6313 - Ambulatory Care Practice Elective I

Professional experience involving direct patient care in monitoring the patient's medications for appropriateness of therapy; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance activities for ultimate collaboration among all healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6314 - Ambulatory Care Practice Elective II

Professional experience involving direct patient care in monitoring the patient's medications for appropriateness of therapy; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance activities for ultimate collaboration among all healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6315 - Ambulatory Care Practice Elective III

Professional experience involving direct patient care in monitoring the patient's medications for appropriateness of therapy; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance activities for ultimate collaboration among all healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6322 - Acute Care-Internal Medicine Practice

Professional experience involving direct patient care in designing, recommending, and evaluating patient specific pharmacotherapy with respect to different disease states; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance

activities for ultimate collaboration among healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6323 - Acute Care Practice Elective I

Professional experience involving direct patient care in designing, recommending, and evaluating patient specific pharmacotherapy with respect to different disease states; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance activities for ultimate collaboration among healthcare team participants to improve the patient's therapeutic outcome. Prerequisite(s): Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6324 - Acute Care Practice Elective II

Professional experience involving direct patient care in designing, recommending, and evaluating patient specific pharmacotherapy with respect to different disease states; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance activities for ultimate collaboration among healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6325 - Acute Care Practice Elective III

Professional experience involving direct patient care in designing, recommending, and evaluating patient specific pharmacotherapy with respect to different disease states; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professionals; involvement in various quality assurance activities for ultimate collaboration among healthcare team participants to improve the patient's therapeutic outcome. Prerequisite(s): Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6332 - Drug Information Services

Professional experience designed to familiarize the students with the tools and resources necessary to retrieve drug information, which can be utilized during the practice of pharmacy. In addition, this rotation will prepare the student in a Pharmacy Practice/Drug Information Residency Program or for a position as Drug Information Specialists in academia, industry or institutional setting. Prerequisite: Completion of all first, second and third year courses. **(6, FaSpSu)**

PCLN 6335 - Inpatient Infectious Disease Elective

Professional experience involving direct patient care in designing, recommending, monitoring and evaluating patient specific pharmacotherapy with respect to different disease states especially with an emphasis on infectious diseases; activities will also include patient medication counseling and dissemination of drug information to patients and healthcare professional; involvement in various quality assurance activities for ultimate collaboration among all healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6336 - Outpatient Infectious Disease Elective

Professional experience involving direct patient care in designing, recommending, monitoring and evaluating patient specific pharmacotherapy with an emphasis on HIV/AIDs; activities also include medication and adherence counseling, dissemination of drug information to patients and healthcare professionals, and collaboration with all healthcare team participants to improve the patient's therapeutic outcome. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6337 - Diabetes Education and Management Elective

The Diabetes Education and Management Elective serves as an extension of the Ambulatory Care Practice Experience. Pharmacy interns are exposed to all aspects of diabetes, including the nature of the disease, necessary lifestyle modifications, complications, and drug therapies, etc. Students are expected to translate information learned into actual patient care consultation in the efforts to help patients achieve glucose control. Students may have the opportunity to work with pharmacists, physicians, nurses, social services and other support personnel in providing direct patient care in diabetes and may also be able to participate in educating the various practitioners on both drug and patient care-related topics. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6338 - Women's Health Services Elective

The ambulatory care clerkship specializing in women's health places major emphasis on four areas: cardiovascular diseases, diabetes, menopause and osteoporosis. Other common conditions primarily affecting females (e.g. lupus, FSD, endometriosis, fibromyalgia, etc.) and the unique effects of medications on the female population are also studied. Utilizing a collaborative healthcare approach between pharmacy and medicine, therapeutic recommendations and patient counseling are vital parts of the learning experience. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6339 - Asthma Education & Management Elective

Professional experience involving direct patient care in allergy asthma services, including allergy and asthma education, asthma device training, and reinforcement and dissemination of drug information to patients and health care professionals. Other activities include presentations, journal club, and seminars. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6340 - Intensive Critical Care Pharmacotherapy Elective

Elective rotation focused on the provision of medication therapy management to patients in ICU, MICU, SICU, step-down units and other high activity settings. Recommended to students interested in residency training. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6341 - Pediatric Pharmacy Practice Elective

Advanced Professional Practice Experience involving direct pediatric patient care in designing, recommending, and evaluating patient specific pharmacotherapy with respect to different disease states and conditions. Activities include participation on daily rounds, dissemination of drug information to patients and healthcare professionals, and multi-disciplinary team collaboration. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6350 - Pharmacy Compounding Practice Elective

Elective rotation focused on the provision of medication therapy management and individualized patient care. Recommended to students interested in community pharmacy ownership, institutional practice and ambulatory care. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6)**

PCLN 6351 - Home Infusion Pharmacy Elective

Elective rotation focused on the provision of medication therapy management to home bound patients requiring intravenous and other advance treatments. Recommended to students interested in home infusion, community

pharmacy ownership, and any clinical specialty practice as a career. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6352 - Nuclear Pharmacy Practice Elective

Elective rotation focused on the provision of medication therapy management and radioscopic compounding. Recommended to students interested in nuclear pharmacy and acute care clinical practice. Prerequisite: Completion of all first, second, and third year pharmacy courses **(6, FaSpSu)**

PCLN 6353 - Hospice Pharmacy Practice Elective

Elective rotation focused on the provision of medication therapy management to hospice patients. Recommended to students interested in community pharmacy ownership, ambulatory care practice and oncology specialty practice. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6354 - Specialty Hospital Practice Elective

Elective rotation focused on the provision of medication therapy management services in a specialty hospital environment. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6355 - Long Term Care Pharmacy Practice Elective

Elective rotation focused on the provision of care along with the daily operations and management of nursing home and other related practices. Recommended to students interested in becoming a consultant pharmacist. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6359 - Pharmacy Benefit Management Elective

Elective rotation focused on the daily operations and management of a pharmacy benefit management company. Recommended to students interested in managed care. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6360 - Chain Pharmacy Management Elective

Elective rotation focused on the daily operations and management of community pharmacies. A student may not take this elective with the same company for whom he or she is currently employed or has accepted a position of employment. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6361 - Professional Organizations Practice Elective

Elective rotation students are tasked as administrative assistants to the professional executive officers of a pharmacy organization such as the Louisiana Society of Health-System Pharmacists. Requires travel. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6362 - Health System Pharmacy Management Elective

Elective rotation focused on the daily operations and management of hospital pharmacies and other institutional practices. A student may not take this elective with the same company for whom he or she is currently employed or has

accepted a position of employment. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6363 - Pharmaceutical Sales & Liaison Services Elective

Elective rotation focused on the work of the pharmaceutical representative. Requires significant travel every day of the rotation. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6364 - Professional Regulatory Practice Elective

Elective rotation with focus on drug regulatory processes to ensure drug safety and compliance through a healthcare interdisciplinary team approach. **(6,FaSpSu)**

PCLN 6365 - International Global Health Elective

Elective rotation with a focus on international and global healthcare includes practice with multidisciplinary teams to solve issues of therapy management and drug distribution. International travel required. **(6, FaSpSu)**

PCLN 6405 - Research Elective: Minority Health & Health Disparities Research I

Research elective rotation focused in areas of known health disparities such as diabetes, cancer, HIV/AIDS or behavioral health, social health, and public policy issues that impact health outcomes. Recommended for students interested in clinical or health administration careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6406 - Research Elective: Minority Health & Health Disparities Research II

Research elective rotation focused in areas of known health disparities such as diabetes, cancer, HIV/AIDS or behavioral health, social health, and public policy issues that impact health outcomes. Recommended for students interested in clinical or health administration careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6407 - Research Elective: Minority Health & Health Disparities Research III

Research elective rotation focused in areas of known health disparities such as diabetes, cancer, HIV/AIDS or behavioral health, social health, and public policy issues that impact health outcomes. Recommended for students interested in clinical or health administration careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6408 - Research Elective: Basic Pharmaceutical Sciences I

Elective rotation focused on bench research with a member of the Division of Basic Pharmaceutical Sciences. Recommended for students interested in clinical or basic science research careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6409 - Research Elective: Basic Pharmaceutical Sciences II

Elective rotation focused on bench research with a member of the Division of Basic Pharmaceutical Sciences. Recommended for students interested in clinical or basic science research careers. Prerequisite: Completion of all first, second, and third year pharmacy courses **(6, FaSpSu)**

PCLN 6410 - Research Elective: Basic Pharmaceutical Sciences III

Elective rotation focused on bench research with a member of the Division of Basic Pharmaceutical Sciences. Recommended for students interested in clinical or basic science research careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6413 - Research Elective: Clinical Research and Scholarship I

Elective rotation providing experience in either the scholarship of discovery, the scholarship of integration or the scholarship of application. Prerequisite: Completion of all first, second and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6414 - Research Elective: Clinical Research and Scholarship II

Elective rotation providing experience in either the scholarship of discovery, the scholarship of integration or the scholarship of application. Prerequisite: Completion of all first, second and third year pharmacy courses as well as PCLN 6413. **(6, FaSpSu)**

PCLN 6422 - Academic Teaching Elective

Elective rotation focused on the fundamentals associated with teaching professional students. Includes preparation and delivery of lectures, case discussions and tests. Recommended for students interested in clinical teaching careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6, FaSpSu)**

PCLN 6501D - Professional Experience Program Meetings I

Seminars and other formatted activities to prepare students for the NAPLEX, MJPE, job interviews and life as a professional. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(0, FaSpSu)**

PCLN 6502D - Professional Experience Program Meetings II

Seminars and other formatted activities to prepare students for the NAPLEX, MJPE, job interviews and life as a professional. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(0, FaSpSu)**

Communication Studies

CMST 1000 - Introduction to Communication Studies

This course, required of all Communication Studies majors, introduces students to the study of human communication within a variety of contexts. The course will provide a survey of topics, theory, research, and contexts of communicative practice from both a social scientific and humanistic perspective. **(3, Fa)**

CMST 1010 - Fundamentals of Public Speaking

A performance-oriented course that requires students to present several speeches. Major emphasis is placed on preparation, organization, delivery, and the development of confidence and poise. **(3, FaSpSu)**

CMST 1011H - Fundamentals of Public Speaking (Honors)

This is a performance-oriented honors course that requires students to present several speeches. Major emphases are placed on preparation, organization, delivery, and the development of confidence and poise. Students will also participate in a service learning project within the New Orleans community. Prerequisite: ACT of 24 OR SAT of 1090 AND high school GPA of 3.0. **(3, FaSp)**

CMST 1080 - Health Communication

This course introduces students to a wide variety of communication skills necessary in the health care professions, including patient-caregiver communication, communication within health-care organizations, and crafting and presenting health campaigns. Students are required to implement these health communication strategies and models through in-class workshops and the design and presentation of a public health campaign. Prerequisite: None **(3, FaSp)**

CMST 1400 - Interpersonal Communication

Designed to increase students' understanding and implementation of effective interpersonal communication behavior and skills. Students will participate in activities designed to develop interpersonal communications skills and assess their communication competence using various assessment tools. **(3, FaSp)**

CMST 1500 - Intercultural Communication

Familiarizes students with basic concepts, approaches, processes, and contexts which form the foundation for critical discussion of cross-cultural interaction. **(3, EXPLORATIONS/Human Behavior, FaSp)**

CMST 2010 - Performance of Literature

The study of literature through performance. Reading, analysis, and performance of literary texts. General introduction to performance studies. Prerequisite(s): None **(3, EXPLORATIONS/Creative Expression & Engagement)**

CMST 2030 - Practicum in Performance Technologies

CMST 2030 is a practicum in performance technologies, specifically geared toward the use of the technical equipment that is part of the Performance Studies Laboratory's mobile black box and course offerings. The course provides practical knowledge necessary to use the equipment in comprehensive, safe, and creative ways and enables participants to use similar equipment in other venues they may encounter in their careers. **(3)**

CMST 2035 - Performance of Everyday Life

This course focuses on the relationship between everyday life and aesthetic performance. We will explore how communication in everyday life may be understood using performance as a metaphor and method of study. We will discuss culture as a continuous performance, from the "ordinary" speech of an individual to the elaborate rituals and practices of groups and organizations. We will look at how these everyday performances construct and maintain culture. **(3, EXPLORATIONS/Creative Expression & Engagement)**

CMST 2180 - Introduction to Cultures and Rhetorics

The course serves as an introduction to the philosophical, social and cultural foundations of rhetorical theory and practice through an analysis of different cultures and cultural artifacts. The course includes a general introduction to rhetoric, its disciplinary history, and approaches to criticism. Prerequisite: None **(3)**

CMST 3010 - Introduction to Communication Theory

This course explores the practical, engaging, and relevant ways in which human communication theory operates in our everyday lives. It exposes students to both the contemporary humanistic and social scientific theories in the discipline of communication studies. Prerequisites: CMST 1000, CMST 1010 or CMST 1011H, CMST 1400 or CMST 1500 or CMST 1080, CMST 2010, CMST 2180 or instructor permission. **(3)**

CMST 3020 - Introduction to Communication Studies Research

This course provides an introduction to the qualitative, quantitative, and critical approaches to research in the field of communication studies. Basic procedures for communication studies research and writing about research will be covered. Prerequisite: CMST 3010 OR instructor permission. **(3)**

CMST 3030 - Race, Culture and Communication

This course is an introduction to the study of rhetorical theories and practices across cultures. The primary purpose of this course is to study how the interconnections of race and culture shape communication as well as influence contemporary social issues. Prerequisite: XCOR 1011 or XCOR 1012; completed at least 60 hours. **(3)**

CMST 3040 - Small Group Communication

A study of problem solving through group discussion; major emphasis on group dynamics, problem solving and discussion techniques. Students will gain practical experience by participating in several formal discussions. Prerequisite: CMST 1000, CMST 1010 or CMST 1011H, CMST 1400 or CMST 1500 or CMST 1080, CMST 2010, CMST 2180 OR MSCM major and junior level status. **(3)**

CMST 3050 - Family Communication

This course is designed to introduce students to the role of communication in developing, maintaining, enhancing or disturbing family dynamics. Students will develop an appreciation for different family types in the context of a wide range of cultures and co-cultures and explore the complexities of family interactions through theoretical frameworks. Prerequisite: CMST 1000, CMST 1010 or CMST 1011H, CMST 1400 or CMST 1500 or CMST 1080, CMST 2010, CMST 2180 OR instructor permission. **(3)**

CMST 3060 - Introduction to Performance Studies

This course studies the rhetorical and aesthetic elements of solo and group performance, including performances of literature, cultural performances, and experimental performances. Theory and practice are emphasized, as students broaden their understanding of performance as both object of study and method of representation. Students will develop performances through adapting or creating texts and working with various staging aesthetics. Prerequisite: CMST 1000, CMST 1010 or CMST 1011H, CMST 1400 or CMST 1500 or CMST 1080, CMST 2010, CMST 2180 OR instructor permission. **(3)**

CMST 3070 - Persuasion

This course provides a comprehensive overview of classical and contemporary persuasive theories. We will further our exploration into the art of persuasion through the critical application of theoretical persuasive knowledge to a host of interesting artifacts. Students will develop a new vocabulary related to persuasive knowledge, and will learn how to improve their personal persuasive strategies in the public and private spheres. Prerequisite: CMST 1000, CMST

1010 or CMST 1011H, CMST 1400 or CMST 1500 or CMST 1080, CMST 2010, CMST 2180 OR instructor permission. **(3)**

CMST 3075 - Special Topics in Communication Studies

A seminar-type course that will focus on a specific issue or area within the field of Communication Studies. Before enrolling, students should consult the instructor regarding the topic and course requirements. Prerequisite: CMST 1000, CMST 1010 or CMST 1011H, CMST 1400 or CMST 1500 or CMST 1080, CMST 2010, CMST 2180 OR instructor permission. Students may enroll in CMST 3075 a maximum of two times. **(3)**

CMST 3080 - Gender and Communication

(WMST 3080) This course examines how gender is socially constructed and communicated. Focusing on various contexts such as work, education, the family, religion and the media, students will develop a critical gender/sex lens through which to understand communication with respect to gender diversity and socialization. Prerequisite: CMST 1000, CMST 1010 or CMST 1011H, CMST 1400 or CMST 1500 or CMST 1080, CMST 2010, CMST 2180 OR instructor permission. **(3)**

CMST 3125 - Science Communication

This performance-oriented course allows students the opportunity to enhance their communication skills in relationship to their scientific research and career interests. This course will help students to move from an understanding of science to possessing the skill to transfer scientific thinking in critical and ethical ways to expert and non-expert publics with the purpose of influencing policy, generating financial and institutional support, and addressing scientific misinformation. Major emphasis is placed on clarity, delivery, and tailoring scientific information for different audiences, formats,and situations. *This course requires students have either their own scientific research project or significant knowledge of a scientific phenomenon on which to base their presentations.* Prerequisite: CMST 1010, 1010H, 1080, 1400, or 1500, OR instructor permission. **(3, Sp)**

CMST 3133 - Mock Trial and Debate

(PSCI 3133) An introduction to the techniques of argumentation and debate applied to trial courts and the judicial process. Prerequisite: CMST 1010 **(3)**

CMST 4010 - Advanced Intercultural and Interethnic Communication

This course is designed to facilitate investigation and critique of key content areas of intercultural and interethnic communication. Students will gain an understanding of research/theory content and of methodologies pertinent both to the workplace and to academia. The course will cover international aspects of communication (communication differences, culture shock, etc.) and intolerance based on perceived group/culture differences. In addition to its general focus of intercultural communication, it will also look specifically at American culture and co-cultures, as well as a focus on ethnic identity and solutions to prejudice. Prerequisite: CMST 3010 and CMST 3020 OR instructor permission. **(3)**

CMST 4020 - Relational Communication

This course is designed as an upper-level human communication course that advances student understanding of the role of communication in the development, maintenance, and termination of close relationships. An important goal of the course is for students to gain insights into their own experiences in close relationships by applying research/theory content and methodologies to their relational experience. Prerequisite: CMST 3010 and CMST 3020 OR instructor permission. **(3)**

CMST 4040 - Methods of Group Performance

This course explores the adaptation and staging of nondramatic literature and other materials for group performance. We will study and apply: the compositional staging practices of visual aesthetics and acoustic principles, the theories and techniques of adapting and staging different kinds of texts, and the experimental and cultural applications of group performance practices. Prerequisite: CMST 3010 and CMST 3020 OR instructor permission. **(3)**

CMST 4050 - Rhetoric of Race, Class and Gender

This course explores how race, class, and gender intersect in discourse to either create/maintain dominant power structures or to transcend them. Students will examine both historical and contemporary articulations of power. Prerequisite: CMST 3010 and CMST 3020 OR instructor permission. **(3)**

CMST 4060 - African American Rhetoric and Culture

This course will survey the rhetoric of African American men and women from the 1800s until now as a way of discovering how the African American race has strategically used rhetoric to make their voices heard. Students will learn some of the nuances that characterize African American rhetoric. Prerequisite: CMST 3010 and CMST 3020 OR instructor permission. **(3)**

CMST 4075 - Seminar in Communication Studies

Using diverse methodological perspectives as well as historical and contemporary scholarship, this seminar-type course will provide an in-depth study of an area of inquiry within the field of Communication Studies. Prerequisite: CMST 3010 and CMST 3020 OR instructor permission. **(3)**

CMST 4131 - Independent Study

An opportunity for in-depth study or research in COMMUNICATION STUDIES. The topic or area of study will be initiated by the student and approved by the supervising faculty member. Prerequisite: Senior level status and/or permission of instructor. **(1)**

CMST 4132 - Independent Study

An opportunity for in-depth study or research in COMMUNICATION STUDIES. The topic or area of study will be initiated by the student and approved by the supervising faculty member. Prerequisite: Senior level status and/or permission of instructor. **(2)**

CMST 4133 - Independent Study

An opportunity for in-depth study or research in COMMUNICATION STUDIES. The topic or area of study will be initiated by the student and approved by the supervising faculty member. Prerequisite: Senior level status and/or permission of instructor. **(3)**

CMST 4900 - Communication Studies Capstone

In this course, students will engage in an in-depth study of a contemporary issue in Communication Studies by integrating and applying the theories, knowledge and skills they have acquired through their previous coursework to a project that serves as an instrument of evaluation, satisfying the Senior Comprehensive Examination requirement. Prerequisite: CMST 3010, CMST 3020 and senior status. **(3)**

Computer Science

CPSC 1005 - Introduction to PC's and Software Applications

Introductory computer course offered to all students especially those new to using computers. Topics include basic hardware/software terminology, hands-on instruction on business application software covering database management systems, presentation software, spreadsheets, and word processing using contemporary office software such as Microsoft Office. Prerequisite(s): None. **(3)**

CPSC 1010 - Computing Challenges

Offers a broad overview of computer science designed to provide students with an appreciation for and an understanding of the many different aspects of computer science. Topics include discrete mathematics, an introduction to programming languages, and algorithmic problem solving when applied to mathematics, physics, engineering, business, the social sciences, as well as other non-computing disciplines. This course is intended for students who are curious about computing and its importance to other disciplines. Prerequisite(s): None. **(3)**

CPSC 1230 - Introduction to Scientific Computing

A breadth-first introduction to the ways computing has and continues to contribute to the body of reliable knowledge. Topics include the early uses of computers for numerical analysis and cracking encrypted codes, the ways computing has enhanced our personal productivity, and the ways current computer algorithms have advanced the discoveries in personalized medicine, computational economics, financial modeling, computer forensics, massively multiplayer online computer gaming, and many other high performance computing areas. This course also offers on introduction to the historical, social, and ethical context of computing with an overview of computer science as a discipline. No prior programming or computer science experience is required. This one-credit course is usually offered in the same semester as the two-credit CPSC 2230 course. Prerequisite(s): None. **(1)**

CPSC 1710 - Computer Science I

Introduction to the fundamental concepts of programming. Topics include data types, expressions and statements, control structures, functions, lists, file input & output, and the mechanics of the edit-execute-debug cycle. The course provides an overview of the historical, social, and ethical context of computing and computer science as a discipline. The course includes an embedded programming laboratory component. No prior programming or computer science experience is required. Prerequisite(s): None. **(3)**

CPSC 1724 - Introduction to Computer Science

Introduction to the fundamental concepts of programming using an object-oriented programming language. Topics include data types (incl. strings), control structures, functions, arrays, and the mechanics of the read-execute-print loop. Other covered topics include search and sort algorithms and introductory object-oriented design. Embedded laboratory emphasizes professional programming practices, testing, and debugging. This course also offers an introduction to the historical, social, and ethical context of computing and an overview of computer science as a discipline. No prior programming or computer science experience is required. Prerequisite(s): Completion of all developmental math courses. **(4)**

CPSC 1800 - Fundamentals of Information Systems

Introduction to systems theory, quality, decision making and the organizational role of information systems. Topics include information technology, computing and telecommunications systems, organization and information system growth, and re-engineering. Prerequisite(s): None. **(3)**

CPSC 2005 - Advanced PC's and Software Applications

Hands-on instruction of advanced features of an integrated office suite such as Microsoft Office with projects and presentations related to using the software across many different domains. Prerequisite(s): CPSC 1005 andCPSC 1800. **(3)**

CPSC 2120 - Computer Organization and Architecture

Introduction to the organization and architecture of computer systems, beginning with the standard von Neumann model. Topics include digital logic, data representation, assembly language programming, memory systems, interfacing and communication, functional organization, and alternate architectures. Prerequisite(s): CPSC 1710 and MATH 1030. **(3)**

CPSC 2230 - Introduction to Computational Data Analysis

Introduction to the fundamental concepts of acquiring, cleaning, analyzing, and visualizing data using a computer. Topics include how data are collected, which software is useful for analyzing data, and effective ways to present data. During this course you'll learn to use software tools to analyze large and publicly available datasets. No prior programming or computer science experience is required. This two-credit course is usually offered in the same semester as the one-credit CPSC 1230 course. Prerequisite(s): Completion of all developmental math courses. **(2)**

CPSC 2735 - Data Structures

Builds on the foundation provided by the CPSC 1724 programming course. An introduction to the fundamental concepts of linked structures, graphs, trees, binary trees, efficient sort and search algorithms; applications; and the basics of algorithmic analysis. Embedded laboratory emphasizes advanced programming practices, further experience with advanced testing and debugging, version control, and project management. Prerequisite(s): CPSC 1724 and MATH 1030. **(5)**

CPSC 2740 - Software Development

Provides an intensive, implementation-oriented introduction to the software-development techniques used to create medium-scale interactive applications, focusing on the use of large object-oriented libraries to create well-designed graphical user interfaces. Topics include event-driven programming, application programming interfaces, human-computer interaction, as applied to the software development life cycle. Prerequisite(s): CPSC 2730 . **(3)**

CPSC 2800 - Multimedia

Introduction to the world of computer science through the World-Wide Web focusing on the techniques of web-page creation. Topics include using software to create web pages and to manipulate graphics, video and sound. Prerequisite(s): None. **(3)**

CPSC 2900 - Introduction to Bioinformatics Programming

This course is designed to introduce the most important and fundamental concepts, methods, and tools in bioinformatics programming using the scripting language, Perl. Students will be introduced to computational biology

concepts and techniques including: the art of programming; rudimentary language syntax, control flow structures, and data structures (scalars, strings, arrays, hashes, etc); file handling; regular expressions; web CGI programming; Genbank, Protein Data Bank & Blast; and BioPERL. The objectives are for students to gain practical programming experience in this ever evolving interdisciplinary field and that they are able to use and develop the bioinformatics tools to exploit modern massive and aggregated biological data. Prerequisite(s): Completion of all developmental math requirements, a grade of "C" or better in CPSC 1710, or permission of the Department Head. **(3)**

CPSC 3060 - Design and Analysis of Algorithms

Introduction to formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and the practical considerations of efficiency. Topics include asymptotic complexity bounds, techniques of analysis, algorithmic strategies, and an introduction to automata theory and its application to language translation. Prerequisite(s): CPSC 2730 , MATH 1020, and MATH 2550. **(3)**

CPSC 3111 - Independent Study in Computer Science

Supervised individual computer science studies, research, and readings. No more than one registration permitted. Prerequisite(s): CPSC 2740 and permission of the Department Head. **(1)**

CPSC 3113 - Independent Study in Computer Science

Supervised individual computer science studies, research, and readings. No more than one registration permitted. Prerequisite(s): CPSC 2740 and permission of the Department Head. **(3)**

CPSC 3140 - Operating Systems

Introduction to the fundamentals of operating systems design and implementation. Topics include an overview of the components of an operating system, mutual exclusion and synchronization, implementation of processes, scheduling algorithms, memory management, and file systems. Prerequisite(s): CPSC 2120 and CPSC 2730 . **(3)**

CPSC 3240 - Computer Networks

Introduction to digital transmission fundamentals, local area networks, network protocols, and common Internet applications. Prerequisite(s): CPSC 2740 and CPSC 3140 **(3)**

CPSC 3603 - Topics in Computer Science

Selected topics in computer science. May be repeated for credit. Prerequisite(s): CPSC 2740 and permission of the Department Head. **(3)**

CPSC 3710 - Databases, Introduction to information models and systems

Topics include data modeling, relational databases, database query languages, relational database design, transaction processing, distributed databases, and physical database design. Prerequisite(s): CPSC 2730 . **(3)**

CPSC 3900 - Computer Science Summer Internship

Prerequisite(s): Permission of the Department Head. **(3)**

CPSC 3999 - Junior-Level Qualifying Examination

Assessment of student learning at the junior-level of their curriculum. Prerequisite(s): Completion of all required CPSC 3000-level courses. **(0)**

CPSC 4301 - Computer Graphics

Investigates the principles, techniques, and tools that enable computer simulations and animations. Topics include graphics systems, fundamental techniques in graphics, graphical algorithms, principles of human-computer interaction, graphical user-interface design, graphical user-interface programming, computer animation, and multimedia (sound, video, and graphics) techniques. Prerequisite(s): CPSC 3060 and MATH 2030. **(3)**

CPSC 4304 - Artificial Intelligence

Introduction to the concepts and algorithms underlying the understanding and construction of intelligent systems. Topics include search and constraint satisfaction, knowledge representation and reasoning, advanced search, agents, machine learning, and planning systems. Prerequisite(s): CPSC 3060 and MATH 2030. **(3)**

CPSC 4370 - Data Mining

This course provides both theoretical and practical coverage of the widely used data mining methods. A focus will be placed on specific analytic and modeling techniques such as data preparation and pre-processing, association rule analysis, clustering, regression, classification, sequential pattern mining and model evaluation and selection. Theories underlying these techniques will be discussed and their application to practical scenarios will be illustrated. Contextualized projects are designed to help students gain hands-on experience in real-world knowledge discovery process. Prerequisite(s): CPSC 3060, CPSC 3710, and STAT 2021. **(3)**

CPSC 4410 - Programming Languages

Introduction to the theory and practice of programming language paradigms. Topics include an overview of programming languages, language design, virtual machines, language translation, lexical and syntactic analysis, models of execution, type systems, code generation, and optimization. Prerequisite(s): CPSC 2730 . **(3)**

CPSC 4470 - Robotics and Intelligent Systems

Presents the theory and application of robotic and intelligent systems. Topics include solving problems that are difficult or impractical to solve with other methods, heuristic search and planning algorithms, sensing and machine learning techniques to control mobile robots. Prerequisite(s): CPSC 3060 and MATH 2030. **(3)**

CPSC 4800 - Capstone Project I

This design-specific course is the crowning point of an undergraduate curriculum. This course requires the design of a significant team project that integrates the many concepts and skills learned through the many Computer Science courses. Prerequisite(s): CPSC 2740 and all required 3000-level Computer Science courses. **(1, ENGAGEMENTS/Senior Capstone)**

CPSC 4805 - Capstone Project II

This implementation-specific course is the crowning point of an undergraduate curriculum. This course requires the implementation of a significant team project that integrates the many concepts and skills learned in your computing

courses. Prerequisite(s): CPSC 4800. Corequisite(s): CPSC 4999 and CPSC 4999P **(2, ENGAGEMENTS/Senior Capstone)**

CPSC 4999 - Senior Comprehensives

Assessment of student learning pertaining to either their computer science curriculum or their computer information systems curriculum. Corequisite(s): CPSC 4805. **(0)**

CPSC 4999P - Senior Comprehensives Programming

Assessment of student learning pertaining to computer programming. Corequisite(s): CPSC 4805. **(0)**

Counseling

COUN 5000 - Research Methodology & Program Evaluation

This course will help students develop an understanding of research methods, statistical analysis, needs assessment, as well as discipline specific program evaluation. Prerequisites: None **(3, Fa)**

COUN 5005 - Foundations & Ethics of the Counseling Profession

This course addresses professional identity, credentialing, certification and licensure and focuses on the ethical rules and policies that govern the professional integrity of counselors and offers guidance for practice. The ACA Code and the AAMFT Principles are covered in this course. Prerequisites: None **(3, Sp)**

COUN 5010 - Counseling Theories

This course surveys the major concepts and practices in the contemporary therapeutic systems in relation to the history of counseling. Prerequisites: None **(3, Sp)**

COUN 5015 - Counseling Techniques

This is a counseling skills course, with a focus on tools and techniques used in counseling. Students will learn and practice the basic skills needed to be an effective counselor, and will discuss the theoretical rationale for the use of the various skills learned. Importance is placed on the mastery of fundamental concepts that enhance the development of basic counseling skills. Prerequisites: None **(3, Fa)**

COUN 5020 - Lifestyle and Career Development

The course is designed to provide an overview of the field of career development theory. It focuses on the life long process of career development, the source and systems of occupational and educational information, and career and leisure counseling processes. Prerequisites: None **(3, Sp)**

COUN 5025 - Human Growth and Development

This course will address the developmental phases of the entire life cycle of humans from conception to death. Emphasis will be placed on the importance of each phase in relation to normal growth and development and the practical implications for the professionally trained counselor. Prerequisites: None **(3, Fa)**

COUN 5030 - Substance Abuse and Addictions Counseling

This course focuses on understanding the pharmacological and behavioral effects of drugs and how these effects interact with the counseling process. Prerequisites: None **(3, Su even years)**

COUN 5035 - Clinical Perspectives in Human Sexuality

This course is designed to provide candidates with an understanding of human sexuality issues from physical, social, and emotional perspectives. It includes clinical assessment and intervention strategies for basic sexual issues that may be presented when counseling individuals and couples. Prerequisites: None **(3, Su odd years)**

COUN 5100 - Group Work in Counseling

This course focuses on the application of theories and practices in group counseling, providing theoretical knowledge of group counseling and specific skills in group leadership and membership. During this group class, students will participate as a member in group sessions lead by a trained group leader, and will co-lead group sessions. Prerequisites: COUN 5000, COUN 5005, COUN 5010 and COUN 5015. **(3, Fa)**

COUN 5105 - Appraisal & Assessment in Counseling

This course provides an understanding of individual, group, and systemic approaches to assessment and evaluation in a multicultural society. It includes an overview of theoretical bases for assessment techniques, psychometric statistics, diversity factors, and ethical factors in assessment and evaluation, as well as strategies for selecting, administering, and interpreting assessment and evaluation instruments. Prerequisites COUN 5000, COUN 5005, COUN 5010 and COUN 5015. **(3, Su)**

COUN 5110 - Psychopathology and Diagnosis

This course focuses on principles of the diagnostic process, including differential diagnosis, and the use of current diagnostic tools, such as the current edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM). Prerequisites: COUN 5000, COUN 5005, COUN 5010 and COUN 5015. **(3, Sp)**

COUN 5115 - Family and Systems Counseling

This course provides an introduction to the theory and process of family counseling. Evolving viewpoints, perspectives, values, intervention techniques, and goals of family counseling are reviewed. Prerequisites: COUN 5000, COUN 5005, COUN 5010 and COUN 5015. **(3, Fa)**

COUN 5120 - Crisis, Trauma, Grief and Loss Counseling

This course is designed to provide candidates with an understanding of client issues relating to various types of crisis, trauma, grief and loss. It includes clinical assessment and intervention strategies when counseling individuals, couples and families impacted by crisis, trauma, grief or loss. Prerequisites: COUN 5000, COUN 5005, COUN 5010 and COUN 5015. **(3, Sp)**

COUN 5125 - Social & Cultural Diversity in Counseling

This course is a study of culturally different minority populations in the United States, and the application of counseling techniques and practices when working with diverse clients. Prerequisites: COUN 5000, COUN 5005, COUN 5010 and COUN 5015. **(3, Sp)**

COUN 5130 - Behavior Disorders of Children and Adolescents

This course will focus on the psychological, social, and environmental factors contributing to child and adolescent disorders, causes and treatment, methods of observing, diagnosing, documenting and interpreting disorders and the underlying dynamics of child and adolescent disorders. Prerequisites COUN 5010, COUN 5015, and COUN 5025 (or advisor approval). **(3, Fa)**

COUN 5135 - Introduction to Play Therapy

This course is designed to provide students with instruction in history, theories and applications of play therapy consistent with APT requirements for instruction in these areas, and as such, will provide 67.5 Continuing Education (CE) hours toward the Registered Play Therapist credential. Prerequisites: COUN 5010, COUN 5015, and COUN 5025 (or advisor approval). **(3, Su odd years)**

COUN 5140 - Advanced Play Therapy

This course is designed to provide students with advanced instruction in history, theories and applications of play therapy consistent with APT requirements for instruction in these areas, and as such, will provide 67.5 Continuing Education (CE) hours toward the Registered Play Therapist credential. Prerequisites: COUN 5010, COUN 5015, and COUN 5025 (or advisor approval). **(3, Su even years)**

COUN 5200 - Special Topics in Counseling

Students will be allowed to explore special topics in counseling in a seminar format. Prerequisite: consent of advisor. **(3, Su)**

COUN 5300 - School Counseling: Principles & Administration

This course prepares counseling candidates to design, develop, manage, and deliver comprehensive counseling services in PK-12 schools. Prerequisites: COUN 5000, COUN 5005, COUN 5010, COUN 5015, and Candidacy. **(3, Fa)**

COUN 5310 - Clinical Mental Health Counseling: Principles & Practices

This course focuses on strategies for counselors and specific skills that will enable individuals, families, groups and communities to take charge of their own lives and set their own direction, preventive education and life skills training, the specifics of helping vulnerable populations, developmental models, the clinical mental health helper as a change agent, the four-component clinical mental health counseling model and the management of diverse ideas and concepts. Prerequisites: COUN 5000, COUN 5005, COUN 5010, COUN 5015, and Candidacy. **(3, Sp)**

COUN 5320 - Marriage, Couple & Family Counseling: Principles & Practices

This course focuses on skills and strategies for marriage, couple and family counselors when working in family counseling agencies or private practice settings. Prerequisites: COUN 5000, COUN 5005, COUN 5010, COUN 5015, COUN 5115 and Candidacy. **(3, Su)**

COUN 5325 - Couples & Relationships Counseling

This course is designed to help those in training to recognize that the couple is a unique and distinct system different from the family, the individual, or the group and requires specific methods of assessment and treatment. Prerequisites: COUN 5115. **(3, Su even years)**

COUN 5400 - School Counseling Practicum

Students gain 100 clock hours of experience, 40 of which are direct client contact, in a supervised school setting. Students receive one hour a week of individual supervision from an approved on-site supervisor and attend a weekly group supervision class. Prerequisites: approved Clinical Field Placement application. **(3, Sp)**

COUN 5410 - Clinical Mental Health Counseling Practicum

Students gain 100 clock hours of experience, 40 of which are direct client contact, in a supervised clinical mental health agency setting. Students receive one hour a week of individual supervision from an approved on-site supervisor and attend a weekly group supervision class. Prerequisites: approved Clinical Field Placement application. **(3, Su)**

COUN 5500 - School Counseling Internship I

Course is designed to provide students with a comprehensive, field-based school counseling experience that will include clinical diagnosis, developing treatment plans, extensive counselor-client sessions, and follow-up of the client's progress. Lectures, seminars, and related graduate projects will be required when appropriate. This course must be taken with COUN 5820 in a continuous Fall-Spring sequence. Students gain 300 clock hours of experience, 120 of which are direct client contact, in a supervised K-12 school setting. Prerequisites: COUN 5400 **(3, Fa)**

COUN 5510 - Clinical Mental Health Counseling Internship I

Course is designed to provide students with a comprehensive, field-based clinical mental health agency counseling experience that will include clinical diagnosis, developing treatment plans, extensive counselor-client sessions, and follow-up of the client's progress. Lectures, seminars, and related graduate projects will be required when appropriate. This course must be taken with COUN 5821 in a continuous Fall-Spring sequence. Students gain 300 clock hours of experience, 120 of which are direct client contact, in a supervised clinical mental health agency setting. Prerequisites: COUN 5410 **(3, Fa)**

COUN 5515 - Advanced Counseling Techniques

This is a clinical course integrating theoretical approaches with the practice of counseling. Prerequisites: concurrent enrollment with COUN 5500 or COUN 5510. **(3, Fa)**

COUN 5600 - School Counseling Internship II

This course is a continuation of COUN 5810, requiring an additional 300 clock hours of experience, 120 of which are direct client contact, in a supervised K-12 school setting. This course requires completion of a site-specific service learning project. Prerequisite: COUN 5500 **(3, Sp)**

COUN 5610 - Clinical Mental Health Counseling Internship II

This course is a continuation of COUN 5811, requiring an additional 300 clock hours of experience, 120 of which are direct client contact, in a supervised clinical mental health setting. This course requires completion of a site-specific service learning project. Prerequisite: COUN 5510 **(3, Sp)**

COUN 5700 - Thesis in Counseling

The thesis provides students an opportunity to develop an area of research interest in counseling by investigating current literature and conducting an empirical or qualitative study. Faculty/advisor approval is necessary for the thesis

option. Because this course requires prior completion of EDGC 5070 Statistics, EDGC 5070 will be accepted as an approved elective upon successful completion of the thesis. Prerequisite: EDGC 5070 Statistics and advisor approval. **(3)**

COUN 5999M - Clinical Mental Health Counseling Comprehensive Examination

During their clinical field experience, all students must take and pass the national Counselor Preparation Comprehensive Examination (CPCE). Scheduled during Internship II, after passing the CPCE, each student must pass an oral clinical defense in clinical mental health counseling addressing: 1) professional orientation and ethical practice; 2) social and cultural diversity; 3) human growth and development; 4) career development; 5) helping relationships; 6) group work; 7) assessment; and 8) research and program development. **(0)**

COUN 5999S - School Counseling Comprehensive Examination

During their clinical field experience, all students must take and pass the national Counselor Preparation Comprehensive Examination (CPCE). Scheduled during Internship II, after passing the CPCE, each student must pass an oral clinical defense in school counseling addressing: 1) professional orientation and ethical practice; 2) social and cultural diversity; 3) human growth and development; 4) career development; 5) helping relationships; 6) group work; 7) assessment; and 8) research and program development. **(0)**

Creative Writing

CRWT 1050 - Introduction to Creative Writing

This introductory seminar introduces students to invention techniques and basic terms of the crafts of drama, fiction, poetry, and creative nonfiction. Students will produce original work, such as poems and scenes in fiction and script format. They will also learn basic workshop procedures. Successful completion of the course fulfills the College of Arts and Sciences' Core Curriculum fine arts requirement. **(3, EXPLORATIONS/Creative Expression & Engagement, FaSp)**

CRWT 2050 - Poetry Workshop

In this seminar, students learn to write and critique different forms of poetry and will learn a variety of poetic elements such as image, metaphor, rhythm, rhyme and alliteration. Through readings, students will become familiar with the work of contemporary poets such as Rita Dove, Charles Simic, and Michael S. Harper. Prerequisite(s): CRWT 1050 **(3, EXPLORATIONS/Creative Expression & Engagement)**

CRWT 2060 - Fiction Writing

Students explore basic elements of fiction such as characterization, narrative point of view, setting, and subtext in a genre-specific seminar. Employing their skills at writing, revising, and criticizing works of short fiction through their own creative endeavors and daily participation in the workshop, they will develop their own portfolios, while extending their familiarity with works of contemporary short fiction writers such as Z.Z. Packer, Charles Baxter, and Edward P. Jones. Prerequisite(s): CRWT 1050 **(3, EXPLORATIONS/Creative Expression & Engagement)**

CRWT 2070 - Creative Nonfiction

PRWT 2070 In this seminar, students will study and practice writing literary nonfiction. The course will cover description, point of view, characterization, dialogue, and other techniques. Students will read the works of

contemporary nonfiction authors and, using the workshop method, critique the work of their peers. Prerequisite(s): CRWT 1050 **(3, EXPLORATIONS/Creative Expression & Engagement)**

CRWT 2080 - Dramatic Writing

Dramatic Writing teaches the basics of play and screen writing, including dramatic structure, character study, scene and sequence structure, techniques of visual narration, dialogue, adaptation, and the language of film. Students will become familiar with contemporary playwrights, screenwriters, and directors. Prerequisite(s): CRWT 1050 **(3)**

CRWT 2141 - Journal Practicum

(ENGL 2141) Students gain hands-on experience in publishing. Course is offered for credit on a pass/fail basis and may be repeated for credit. Prerequisite(s): College Writing (core curriculum component) **(1, FaSp)**

CRWT 2143 - Journal Practicum

(ENGL 2143) Students gain hands-on experience in publishing. Course is offered for credit on a pass/fail basis and may be repeated for credit. Prerequisite(s): ENGL 1020 or equivalent. **(3, FaSp)**

CRWT 3060 - Special Topics

These occasional classes are small seminars that allow students and instructors to explore focused areas of specialization within or overlapping the traditional genres. Topics might include "Autobiography," "Style and Technique in African American Prose and Poetry," "Poetry and Performance," "Narrative Strategies in Novels," "Elements of Fiction," "Poetry Translation," "Literature and Film," "Oral History," "Credible Characterization," "Biography and Autobiography," and "Nature Writing." Prerequisite(s): a 2000-level Creative Writing course in a relevant genre. **(3)**

CRWT 3065 - Writing About Art

(ART 3065, ENGL 3065) An introduction to ekphrastic writing: poetry and writing about the visual arts. Overview of theories and methodologies. Prerequisite(s): ENGL 1010-ENGL 1020 **(3, EXPLORATIONS/Creative Expression & Engagement)**

CRWT 3075 - Writing about Music

An introduction to writing about music from the 19th century to the present. An introduction to writing of novels, plays, essays and poetry inspired by music as a well as musical compositions (classical music/ opera, jazz, rock or hip-hop) written about literature. Overview of Theories and Methodologies. Students will use different methodologies to engage in and come up with an understanding the interconnectivity between music and literature in either form on a global level. Prerequisite(s): 60 hrs. completed credit. **(3)**

CRWT 4050 - Seminar

Advanced seminars will include intensive reading, creative writing, and discussion. The course will also entail practice and studies of the form, craft, and theory of various genres. Possible topics include, "Women's Poetics - Ancient to Contemporary," "Multicultural Poetics," "Problems of Adaptation," "Poetry, Personae, and Author," "Literature and Translation," and "Political Poetry." Prerequisite(s): a 2000-level Creative Writing course in the relevant genre. **(3)**

CRWT 4060 - Creative Thesis

In this intensive course, the student will assemble a significant portfolio of creative work suitable for submission to graduate school admissions boards or to a publisher. The thesis will be directed by one faculty member and evaluated by a committee including the director and two other faculty members. Enrollment follows the development of a proposal outlining all matters concerning the texts to be studied, the frequency of meetings between student and director, the type of manuscript to be produced, including the names of the faculty members who agree to serve as readers. The proposal must be approved through consultation with the professor directing the thesis prior to the pre-registration period for the semester of study, and clearance from the director of the creative writing program. Prerequisite(s): completion of 5 CRWT classes, with a minimum 3.75 GPA in those classes. From the relevant genre(s), the student must have completed two sections from the 2000-level courses or one section from the 2000-level and one from the 3000-level courses. **(3)**

Curriculum and Instruction

EDCI 5042 - Classroom Organization and Management

Techniques in handling adolescents, materials, and environment that would assure positive behavior and learning for the secondary classroom setting in the regular classroom. Prerequisite(s): None **(3, Su)**

EDCI 5051 - Methods and Materials for the Mildly/Moderately Disabled

Basic training in the development of materials and the selection of methods for the mildly/moderately disabled in the regular classroom, with specific attention to diagnostic/prescriptive suggestions. Prerequisite EDCI 5440 **(3)**

EDCI 5055 - Vocational and Transition Services

Organization and design of training programs to promote independence, vocational and community adjustment of persons with disabilities; curriculum materials, methods and organizational strategies for adolescent and adult learners, families and community service providers. Prerequisite EDCI 5440 **(3, Sp)**

EDCI 5060 - Multicultural Education

This course is designed with emphasis on the pluralistic aspect of our society as it relates to schools, teaching, and learning, and the development of curriculum considerations in all areas of education. Prerequisite(s): None **(3, Sp)**

EDCI 5130 - Foundations of Reading Instruction

A comprehensive overview of the cognitive, linguistic, and affective processes involved in reading and of methods, strategies, and materials of instruction. Prerequisite(s): None **(3, Fa)**

EDCI 5140 - Reading in the Content Area

A study of the processes involved in learning from textual material, and of practices and strategies which contribute to concept development and reading comprehension. Prerequisite(s): EDCI 5130 or consent of instructor. **(3, Sp)**

EDCI 5170 - Diagnostic/Prescriptive Reading Instruction

A study of diagnostic and remedial techniques in reading, with emphasis upon instructional design based upon the assessment of developing readers' strengths and instructional needs. Prerequisite(s): EDCI 5130 **(3, Sp)**

EDCI 5200 - Practicum in Reading

A course designed to offer the reading specialist a supervised practicum in the diagnosis and remediation of severe reading problems. Prerequisite(s): EDCI 5130 and EDCI 5170 **(3, Fa)**

EDCI 5210 - Clinical Practicum in Reading

A course designed to offer experiences in advanced remediation in a clinical setting. There will be a focus on on-going assessment and modification of teaching strategies in relation to student performance and the reporting of findings and recommendations to others. Prerequisite(s): EDCI 5130, EDCI 5170 and EDCI 5200. **(3, Sp)**

EDCI 5282 - Survey of Assessment

This course presents an overview of the assessment process in general education, including pre-referral strategies, screening, and assessment. Prerequisite(s): None **(3, Sp)**

EDCI 5340 - Elementary School Curriculum

A course designed to develop an understanding of the meaning of curriculum at the elementary level with emphasis on the role of the teacher and administrator in curriculum appraisal and development. Prerequisite(s): None **(3, Fa)**

EDCI 5380 - Secondary School Curriculum

A study of the nature and functions of the curriculum, of the process involved in its development and of the implications of these at the secondary level. Prerequisite(s): None **(3, Fa)**

EDCI 5440 - The Exceptional Child

Acquaints the graduate student with the various degrees of exceptionalities found among children from the slow learner to the gifted. Prerequisite(s): None **(3, Fa, Su)**

EDCI 5700 - Thesis Writing

Completion of a research paper with the assistance of the advisor and a thesis committee. The subject of the thesis should be chosen from the candidate's major field of interest and approved by the Graduate Council. An oral examination of the thesis is also required. Prerequisite(s): EDCI 5000 and EDCG 5010 **(3)**

EDCI 5810 - Special Topics in Literacy Education

A seminar in contemporary and controversial issues in reading, language arts instruction, writing, and language development. Prerequisite(s): Consent of Instructor **(3, Su)**

EDCI 5820 - Advanced Seminar in Children's Literature

A course designed to update teachers' knowledge of writers and illustrators of children's literature, to explore early adolescent literature, and to develop a sense of how children's literature fits into the larger framework of the family of literature. Prerequisite(s): None **(3, Su)**

EDCI 5900P - Methods of Teaching Students with Learning Disabilities

This course will incorporate the use of assessment as an integral part of teaching students with learning disabilities. The various types of assessments, steps of assessment, and generic teaching strategies will be employed. Prerequisite EDCI 5440 **(3, Sp)**

EDCI 5910P - Behavioral Approach to Managing the Mild/Moderate

This course is a basic study of the characteristics of children and youth with emotional or behavioral disorders and the management of these behaviors. Techniques for decreasing the behaviors are emphasized. Prerequisite EDCI 5440 **(3, Fa)**

EDCI 5999 - Comprehensive Examination in Curriculum and Instruction

Appropriate written test or Praxis examination related to the candidate's major area of study. **(0)**

Data Science

DTSC 2010 - Explorations in Data Science for Humanities

(DGHU 2010) This application focused course will present basic data organization, data cleaning, data management, visualization and statistical modeling in digital humanities. This course lies at the intersection of fundamental programming skills, data visualization, data cleaning and statistical modeling in R and Excel environment. Furthermore, data cleaning is exercised using Excel and rest of the components of the course are handled on R platform. Students will identify appropriate statistical methods for the data or problems and conduct their own analysis using real datasets. This is a hands-on, project-based course to enable students to develop skills and to solve interdisciplinary problems. Prerequisite(s): CPSC 1710 and STAT 2010/MATH 1020 or permission of the department head **(3)**

DTSC 3010 - Statistical Methods of Data Mining

Introduction to the statistical methods of data mining. Topics may include decision trees, principal component analysis, cluster analysis, discriminant analysis, nearest neighbor algorithms, EM algorithms, LASSO, logistic regression, factor analysis, neural networks, and association rules. Prerequisite(s): STAT 3810, MATH 1070 (or MATH 1070H), and CPSC 1710 (or PHYS 2510 or MATH 2510). **(3)**

DTSC 3070 - Introduction to Machine Learning

This course is an introductory survey of modern machine learning algorithms that learn from data. Machine learning has been a key component in a number of application domains of data science, including text mining, computer vision, natural language processing, bioinformatics and robotics. This course will introduce the fundamental concepts and algorithms in machine learning as well as best practices in applying machine learning to practical problems. Prerequisite(s): CPSC 3060, MATH 2030 and STAT 2010 or STAT 2015/STAT 2015D **(3)**

DTSC 4020 - Data Science Capstone

Independent work by students under the guidance of a faculty member to be presented orally and in writing to student majors and faculty. Meets once per week. Prerequisite(s): CPSC 3710 and STAT 3820. **(1)**

DTSC 4740 - Predictive Analytics

This course aims to instill students with a fundamental understanding of the art and science of predictive analytics as it relates to improving business and decision-making performance. This hands-on, case-study based course will cover the key concepts and techniques necessary for forecasting and advanced analytics in a specific business and/or decision-making scenario. Topics include data exploration and visualization, supervised and unsupervised analyses, performance evaluation, time series analysis, social network analytics, text mining, etc. Prerequisite(s): CPSC 4370, MATH 2030, and STAT 2010 or STAT 2015/STAT 2015D **(3)**

Digital Humanities

DGHU 1000 - Introduction to Digital Humanities I

This course introduces students to the field of digital humanities. Through course activities, students will gain awareness of how the tools, technologies and methods are used in both academia and the business world. Ultimately, students will become critical and reflective users of a range of digital tools, technologies and methods used by business, industry and academia to explore issues and solve problems by understanding that all technologies are complex, socially situated, and political. The course will consist of a combination of lecture, guest speakers, lab (1.5 hours classroom; 1.5 hours of lab). **(3)**

DGHU 1010 - Introduction to Digital Humanities II

This course explores the transformative potential of digital technologies, research methods, and opportunities for scholarship in the humanities. This course will examine theories, methods, and practices of the digital humanities. First, it will define what a digital humanist is and discuss multiple theoretical foundations. Then we will move on to explore specific digital tools and their potential to transform scholarship. This course will establish how the Digital Humanities is not simply the digital in the humanities but a redefinition of what we can know and how we can know humanities knowledge and expertise differently with the use of digital tools and methods. Prerequisite(s): DGHU 1000 or permission of instructor. **(3)**

DGHU 1080 - Introduction to World Music

(MUSH 1080) This course is a survey of selected musical traditions from various areas of the globe and their respective cultural contexts. Music cultures surveyed will be selected from traditions of sub-Saharan Africa, Asia, Europe, North America, South America, and the Caribbean. **(3, EXPLORATIONS/Creative Expression & Engagement)**

DGHU 2000 - Topics in Social Justice for the Humanities

This course is designed to help students explore and understand different forms of economic injustice across, using data sets from education, business, and the sciences. Students will be expected to use Excel to curate, store, and manage our data. Passing developmental math is a prerequisite for the course, and the course does not count for major or minor credit in the business degree program. **(3)**

DGHU 2010 - Explorations in Data Science for Humanities

(DTSC 2010) This application focused course will present basic data organization, data cleaning, data management, visualization and statistical modeling in digital humanities. This course lies at the intersection of fundamental programming skills, data visualization, data cleaning and statistical modeling in R and Excel environment. Furthermore, data cleaning is exercised using Excel and rest of the components of the course are handled on R platform. Students will identify appropriate statistical methods for the data or problems and conduct their own analysis using real datasets. This is a hands-on, project-based course to enable students to develop skills and to solve

interdisciplinary problems. Prerequisite(s): CPSC 1710 and STAT 2010/MATH 1020 or permission of department head. **(3)**

DGHU 2080 - Pursuit of Innovation

The Pursuit of Innovation course is a hybrid course, in which students learn through seminar and making, developing knowledge and skills in coding, robotics, creative software, and user experience design. **(3)**

DGHU 3040 - Digital Narratives of Resistance and Black Joy

Media representations of black people and black culture are often distorted and overwhelmingly negative. This course examines the ways in which black people experience joy to resist, challenge and in some ways, protest the negative stereotypes and perceptions of black culture. Students will survey Africana (African & African Diaspora) artistic traditions including: visual culture, dance, film, music and comedy to understand the diverse ways in which "joy" is experienced and communicated. Using digital tools, students will create a podcast documenting the narratives of joy as resistance. Students will proffer counter narratives to advocate for intersectional equity in black representation which celebrates the fullness of black identity, and celebrates black experiences across race, gender identity, class and ability. As our final project, we will produce a live show, exploring how multimedia elements can complement audio storytelling, and how the presence of audience can inform the creation of compelling narrative. **(3)**

DGHU 3080 - Ethics at the End of Life

(PHIL 3050 and XCOR 3010) In this course, students will be asked to consider their own research interests in light of the goals and values of patients. End-of-life issues accomplish this task uniquely, because our ability to manage symptoms has far outpaced our ability to cure disease. How should we regard the wishes of patients who are chronically sick, slowly losing cognitive function, or even terminally ill? If the confrontation with one's own mortality is, to a large degree, a personal issue, then how should we understand patient pain and suffering? While it is true that end-of life issues raise significant questions about the purpose and limits of scientific research, they also introduce equally important questions about what we can claim ethically about someone else's confrontation with mortality. For this reason, students will be challenged to move beyond both dogmatic scientific claims and abstract ethical arguments. They will also be tasked with learning some digital tools (e.g. Wordpress, Omeka, or Tableau) that they can use to present and publish their semester-long research projects in a database of student work on Bioethics. This includes becoming proficient in the ethics of digital publishing and in strategies for developing a scholarly portfolio. **(3)**

DGHU 3385 - Civil Rights Movement in the United States

(AADS 3385, HIST 3385, and XCOR 3010). Examines the major civil rights campaigns that took place throughout the U.S. from 1950 to1975. Focuses on strategies, objectives, successes and failures of civil rights leaders and organizations. Special emphasis on civil rights protests and movements in New Orleans and throughout Louisiana. Fulfills history major requirement for three upper-level credits of African American History. Prerequisite: 3 credits of HIST. **(3, EXPLORATIONS/African American Heritage and Legacies)**

DGHU 3450 - Digital Literature

(ENGL 3450) Explores the transformative potential of digital technologies for reading, writing, and studying literature. Students in the course will examine theories, methods, and practices of digital literary studies as well as read digital literature. **(3)**

DGHU 4000 - Special Topics in Digital Humanities

This course allows for an exploration of a narrow field of digital humanities inquiry. Topics vary by semester according to faculty and student interest and can be repeated for credit. Prerequisite(s): 3 semester hours in digital humanities. **(3)**

Economics

ECON 1030 - Introduction to Economics

What economics is all about, supply and demand, consumer demand, production and supply decision, market structure, labor markets, the business cycle, aggregate supply and demand, money and banks, the monetary policy vs. the fiscal policy, international trade. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior, FaSpSu)**

ECON 2010 - Principles of Micro Economics

Functioning of market system; supply and demand, theory of the consumer, production and cost theory of the firm; perfect vs. imperfect competition and government regulation. Prerequisite(s): None There is no mandatory sequence for taking ECON 2010 and ECON 2020. Students may take Principles of Macro Economics before Principles of Micro Economics**(3, EXPLORATIONS/Human Behavior, FaSp)**

ECON 2020 - Principles of Macro Economics

Functioning of the market system. Measuring national income, measuring inflation (CPI) and unemployment, introduction to the basic macroeconomic model of the quantity theory of money, money supply growth and inflation, Keynesian theory of income, employment and the price level, the neoclassical synthesis, the macro economic impacts of monetary and fiscal policies. Prerequisite(s): None There is no mandatory sequence for taking ECON 2010 and ECON 2020. Students may take Principles of Macro Economics before Principles of Micro Economics.**(3, EXPLORATIONS/Human Behavior, FaSp)**

ECON 2070 - Statistics I

Descriptive statistics, probability, discrete and probability distributions, sampling distributions, interval estimation, hypothesis testing, tests for goodness of fit and independence, regression analysis- simple and multiple, regression analysis and model building residual analysis and the Durbin-Watson test, and time series analysis. Students required to complete ECON 2070 may not earn divisional credit for other research methods or applied quantitative analysis courses without approval by the chairperson. Students may not receive credit for both MATH 2010 (STAT 1020) and ECON 2070. Prerequisite(s): MATH 1030 Students required to complete ECON 2070 may not earn divisional credit for other research methods or applied quantitative analysis courses without approval by the chairperson.**(3, Fa)**

ECON 2080 - Statistics II

Descriptive statistics, probability, discrete and probability distributions, sampling distributions, interval estimation, hypothesis testing, tests for goodness of fit and independence, regression analysis- simple and multiple, regression analysis and model building residual analysis and the Durbin-Watson test, and time series analysis. Prerequisite(s): ECON 2070 or MATH 1020

(3, Sp)

ECON 3010 - Monetary and Fiscal Policy

(FINC 3010) Valuation of stocks and bonds, financial institutions, the structure of the interest rates, definitions of money, bank reserves and the money supply, the Federal Reserve System and the tools of the monetary policy, the role

of money in an economy, foundation of the monetarist philosophy, the Keynesian framework, the IS-LM system, role of fiscal policy in the economy, understanding foreign exchange, and balance of payments. Prerequisite(s): ECON 2010 and ECON 2020 **(3, Fa)**

ECON 3080 - Public Finance

(FINC 3080) Organization and administration of revenues and expenditures of all levels of government, provision of public goods, introduction to Public Choice theory. Prerequisite(s): ECON 2010 and ECON 2020 **(3)**

ECON 3091 - Economics of Black America

Application of economic theory to situations of African Americans; economic analysis of discrimination; black-white income differentials; human capital hypothesis; investigation of schemes aimed to improve economic status of African Americans. Prerequisite(s): ECON 2010 and ECON 2020 **(3)**

ECON 3200 - Managerial Economics

(FINC 3200) Use of Microeconomic methods as management decision making tools in order to assure the attainment of a firm's goals and objectives; use of case studies with microeconomic applications. Prerequisite(s): BSAD 3055 and ECON 2010 **(3, Sp)**

ECON 4050 - International Economics

The causes and effects of international trade, the gains from trade, Comparative Advantage, the Hecksher-Ohlin Theorem the determination of the terms of trade, the determination of income in the open economy, balance of payments, the international monetary system. Prerequisite(s): MGT 2060, SMKT 2050 and FINC 3050 **(3)**

ECON 4070 - Government and Business

Government regulation and the theory of the business enterprise system. Prerequisite(s): ECON 2010 **(3)**

Educational Leadership

EDLD 5000 - Visionary Leadership

This course addresses the dynamics of developing, articulating, implementing, and maintaining a vision. Students will learn the importance of a vision as it relates to the mission of the school as a community culture and the instructional practices that emerge as a byproduct of that culture. Prerequisite(s): None **(3, Fa)**

EDLD 5000I - Visionary Leadership Internship

Internship hours will be completed concurrently with course work using the modular format. Prerequisite(s): Concurrent enrollment with EDLD 5000 or permission of advisor and instructor. **(1, Fa)**

EDLD 5015 - Collaborative Leadership

This course addresses the dynamics of having the knowledge and ability to promote the success of all students by collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources. Prerequisite(s): None **(3, Sp)**

EDLD 5015I - Collaborative Leadership Internship

Internship hours will be completed concurrently with course work using the modular format. Prerequisite(s): Concurrent enrollment with EDLD 5015 or permission of advisor and instructor. **(1, Sp)**

EDLD 5020 - Supervision of Instruction and Assessment

This course is designed to provide the candidates a forum for the review, discussion, and reflection of supervising the successful implementation of effective instructional practices in diverse school settings. A major goal of the course is to examine the approaches and application of supervisory models that are aligned with best practices, reflective assessment, and the ongoing improvement of student achievement. Prerequisite(s): EDLD 5015 and EDLD 5000 **(3, Fa)**

EDLD 5020I - Supervision of Instruction and Assessment Internship

Internship hours will be completed concurrently with course work using the modular format. Prerequisite(s): Concurrent enrollment with EDLD 5020 or permission of advisor and instructor. **(1, Fa)**

EDLD 5040 - Organizational Leadership

This course is designed to provide the candidate with experiences to develop a working knowledge of organizational dynamics and effective leadership of the educational enterprise that incorporates reflective practice. The investigation of organizational behavior in terms of organizational models and theories, the human dimension of organizations and organizational change as related to educational reform. Prerequisite(s): EDLD 5000 and EDLD 5015 **(3, Sp)**

EDLD 5040I - Organizational Leadership Internship

Internship hours will be completed concurrently with course work using the modular format. Prerequisite(s): Concurrent enrollment with EDLD 5040 or permission of advisor and instructor. **(1, Sp)**

EDLD 5060 - Curriculum Progression

The study of current trends in K-12 curriculum design, methods for researching best practice instructional programs, and a diverse range of alternative patterns upon which teachers may model best practices to show a relationship between process and student outcome are emphasized. The course will provide a description of how an innovatively designed curriculum can be used for classroom management AND meaningful learning. Prerequisite(s): EDLD 5000 and EDLD 5015 **(3, Su)**

EDLD 5060I - Curriculum Progression Internship

Internship hours will be completed concurrently with course work using the modular format. Prerequisite(s): Concurrent enrollment with EDLD 5060 or permission of advisor and instructor. **(1, Su)**

EDLD 5540 - Educational Law

The legal aspects of education, with special emphasis on Louisiana school law and collective bargaining are studied to provide the candidates with the fundamental principles of educational law. Ongoing federal and state laws related to current practices in education will be addressed. Prerequisite(s): EDLD 5000 and EDLD 5015. **(3, Su)**

EDLD 5540I - Educational Law Internship

Internship hours will be completed concurrently with course work using the modular format. Prerequisite(s): Concurrent enrollment with EDLD 5540 or permission of advisor and instructor. **(1, Su)**

EDLD 5570 - Management of School Personnel and Finance

This course will provide the candidates with experiences to develop a working knowledge of the personnel management functions of the educational leader by applying best practices in educational management and by studying how schools and school systems are funded and operated fiscally. Prerequisite(s): EDLD 5015 and EDLD 5000. **(3, Sp)**

EDLD 5570I - Management of School Personnel and Finance Internship

Internship hours will be completed concurrently with course work using the modular format. Prerequisite(s): Concurrent enrollment with EDLD 5570 or permission of advisor and instructor. **(1, Sp)**

EDLD 5580 - Capstone Seminar for Educational Leaders

This is the culminating course for the educational leadership program. It is designed to provide candidates with practical application of researched best practices to help change or sustain a school's success with student achievement. This seminar will integrate theory and experience demonstrating the candidates understanding of what was taught in the previous courses of how children learn best on a daily basis. Prerequisite(s): At least a cumulative "B" average for the following courses: EDLD 5020I, EDLD 5015I, EDLD 5040I, EDLD 5060I, EDLD 5540I, EDLD 5000I, EDLD 5570I, EDAD 5580/I, EDCG 5010, EDCG 5070. **(2, Sp)**

EDLD 5999 - Comprehensive Examination in Educational Leadership

Passing score on the Praxis School Leadership Exam or a Division approved written comprehensive examination. **(0)**

EDLD 6000 - Advanced Visionary Leadership

This course addresses developing vision that relates to the mission and culture of an organization. Candidates are introduced to various techniques that can be used to involve all stakeholders to develop, articulate, implement and maintain the vision of the organization. Theoretical approaches will be applied to case studies to integrate theory with practice. *Prerequisite: None* **(3, Fa - 1)**

EDLD 6002 - Current Problems & Issues in Educational Leadership

(LSTS 6000) This course introduces candidates to techniques to build an effective turnaround leadership team. Determining the appropriate data system, a comprehensive personnel evaluation protocol that utilizes both informal and formal evaluation, utilizing reflection to inform ones practice and developing a strategic management system to implement instructional initiatives will be discussed during this initial course in the program. Case studies will be discussed in class and online to help the participants to plan their programs. *Prerequisite: None* **(3, Fa - 1)**

EDLD 6008 - Leadership Theory and Behavior

This course focuses on the theories of leadership and the behavioral styles of the leader. Trait, contingency, situational, behavioral, management, participative, distributive, spiritual, synergistic, and transformational leadership theories will be examined and compared. *Prerequisite: None* **(3, Fa - 1)**

EDLD 6010 - Long Range Planning and Data Analysis

This course emphasizes strategic planning, visioning, goal setting, using data for programmatic improvements and the techniques of decision making. Utilizing the urban school context as the backdrop, participants will analyze case studies and data sets of urban school settings to investigate problems related to the planning, delivery, and evaluation of decisions impacting the turnaround process. **(3, Sp-1)**

EDLD 6012 - Advanced Educational Law

This course will investigate the legal aspects of education in a global society. Although the focus will be on educational law in the United States, educational law in other countries will also be studied. Candidates will be required to do a case study analysis to compare educational law in the US to other countries. Prerequisite: EDLD 6000. **(3, Su-1)**

EDLD 6014 - Education in the Urban Community

This course will explore definitions of urban education and the issues and challenges of schools within urban communities. Public, private, parochial, and independent schools will provide a broad analysis of educational settings. Institutional and social conditions that challenge urban schools will be explored in order to define barriers and determine strategies for change and transformation of urban education. *Prerequisite: None* **(3, Su - 2)**

EDLD 6018 - Special Problems in Research in Educational Leadership

A directed project related to the student's own research interests and helps prepare the student for the qualifying exam. Over the course of the semester, students focus on the mechanics of writing an introduction, a literature review, and proposing a methodology. The coursework culminates in a comprehensive draft of an original research proposal. Prerequisite(s): EDCG 6010, EDCG 6012, or instructor approval. **(3, Sp - 1)**

EDLD 6020 - School Business Management

This course will explore the differences between leadership and management. It will provide participants with the necessary tools to facilitate change, create high performing work teams, and nurture the turnaround process. Participants will use the case study method to learn how to develop and manage a team to its full potential. **(3, Fa-2)**

EDLD 6025 - Organizations and Policy

The purpose of this course is to introduce students to the basic principles and concepts of policy analysis. Policy analysis is considered a problem-solving and policy-design process. The course will also consider the relationship between public goals and the design of policy and will survey the use of generic policy tools such as regulation, contracting and privatization, mandates, inducements, markets, and subsidies. These concepts will be presented using practical examples involving the public policy issues. Central to the theme of this course is the ability for students to recognize that an organization's chances of survival and later, sustained growth and success, lie in the ability to identify and understand those market forces that create change and how each organization must adapt to survive. Students will engage in problem solving and critical examination of policy analyses conducted by prominent research groups within the field as well as through case study problem-solving. Students will engage in critical inquiry through the examination of the impact policy has on urban schools and organizational climate. **(3)**

EDLD 6030 - Leading a Professional Learning Community

This course focuses on the leader's role in promoting faculty and staff education and improvement in a climate of high expectations, mutual respect, and support. The supervision and staff development strategies are grounded in adult learning theory and best practices in teaching. Participants will develop a plan that provides professional development opportunities that identify obstacles and examine priorities to develop a cycle of continuous learning and self-improvement for faculty and staff. Prerequisite: EDLD 6002 **(3, Sp-1)**

EDLD 6040 - The Urban School: Leading to Promote Learning in a Diverse Setting

Course discussions will examine learning, teaching, and scholastic development from a socio-cultural theoretical perspective that includes situated learning theory and activity theory. It examines learning achievement and social development of children and youth in culturally, linguistically, and ethnically diverse educational settings. The theme of the course is that people learn, achieve, and develop as participants in cultural communities. Throughout the course, students' work will be expected to manifest sensitivity to issues of diversity in a pluralistic society. Prerequisite: EDLD 6002 **(3, Sp-2)**

EDLD 6050 - Organizational Behavior and Human Resource Management

This course will teach participants the "people" side of the business of leading a school. Participants will apply knowledge about how people, individuals, and groups act in organizations by taking a system approach. Understanding the roles of organizational behavior and how to effectively manage human resources in sustaining change will be discussed. Prerequisite: EDLD 6002 **(3, Fa-2)**

EDLD 6060 - Current Issues in Special Education Leadership

This course is a critical study of the contemporary and controversial issues within the field of special education leadership. Candidates will be introduced to the philosophical, psychological, and sociological basis of teacher education, including an analytical review of research-based curricula, programmatic innovations, policy issues and their effects, and ethical practices. Discussions will focus on evidence-based core concepts that contribute to effective program planning and future implications for the advancement of special education issues in schools.
Prerequisite: EDLD 6012 **(3, Sp - 2)**

EDLD 6991 - Dissertation

Prerequisite(s): EDLD 6000, EDLD 6002, EDLD 6008, EDLD 6010, EDLD 6012, EDLD 6014, EDLD 6020, EDLD 6030, EDLD 6040, EDLD 6050, EDLD 6060, EDCG 6000, EDCG 6010, EDCG 6012, EDCG 6014 , and EDLD 6018 **(1 Sum, Fa, Sp)**

EDLD 6992 - Dissertation

Prerequisite(s): EDLD 6000, EDLD 6002, EDLD 6008, EDLD 6010, EDLD 6012, EDLD 6014, EDLD 6020, EDLD 6030, EDLD 6040, EDLD 6050, EDLD 6060, EDCG 6000, EDCG 6010, EDCG 6012, EDCG 6014 , and EDLD 6018 **(2, Sum, Fa, Sp)**

EDLD 6993 - Dissertation

Prerequisite(s): EDLD 6000, EDLD 6002, EDLD 6008, EDLD 6010, EDLD 6012, EDLD 6014, EDLD 6020, EDLD 6030, EDLD 6040, EDLD 6050, EDLD 6060, EDCG 6000, EDCG 6010, EDCG 6012, EDCG 6014 , and EDLD 6018 **(3, Su, Fa, and Sp)**

EDLD 6996 - Dissertation

Prerequisite(s): EDLD 6000, EDLD 6002, EDLD 6008, EDLD 6010, EDLD 6012, EDLD 6014, EDLD 6020, EDLD 6030, EDLD 6040, EDLD 6050, EDLD 6060, EDCG 6000, EDCG 6010, EDCG 6012, EDCG 6014 , and EDLD 6018 **(6)**

EDLD 6999O - Oral Qualifying Exam

Prerequisites: EDLD 6000, EDLD 6002, EDLD 6008, EDLD 6010, EDLD 6012, EDLD 6014, EDLD 6020, EDLD 6030, EDLD 6040, EDLD 6050, EDLD 6060, EDCG 6000, EDCG 6010, EDCG 6012, EDCG 6014 , EDLD 6018 **(0, Su, Fa, and Sp)**

EDLD 6999W - Written Qualifying Exam

Prerequisites: EDLD 6000, EDLD 6002, EDLD 6008, EDLD 6010, EDLD 6012, EDLD 6014, EDLD 6020, EDLD 6030, EDLD 6040, EDLD 6050, EDLD 6060, EDCG 6000, EDCG 6010, EDCG 6012, EDCG 6014 , EDLD 6018 **(0, Su, Fa, Sp)**

Elementary Education

EDEL 3050A - Methods and Materials in the Teaching of Reading

At the completion of this course, the student will be able to develop and implement a comprehensive classroom reading program. A balanced literacy approach that focuses on the five core components of reading: phonemic awareness, phonics, fluency, vocabulary, and comprehension is emphasized. Prerequisite(s): Admitted into TEP **(3, Fa)**

EDEL 3050B - Methods and Materials in the Teaching of Reading

At the completion of this course, the student will be able to develop and implement a comprehensive classroom reading program. A balanced literacy approach that focuses on the five core components of reading: phonemic awareness, phonics, fluency, vocabulary, and comprehension is emphasized. Prerequisite(s): Admitted into TEP **(3, Sp)**

EDEL 3071 - Curriculum Applications

At the completion of this course, the student will be able to use instructional methods, materials, and media specific to the elementary and middle school pre-service teacher. Course focus will include the integrated language arts and effective ways of teaching social studies. Prerequisite(s): Admission into TEP **(3, Fa)**

Engineering

ENGR 1000 - Introduction to Engineering

An introduction to the field of engineering, with an emphasis on the characteristics, methodology, and obligations of professional engineers. The breadth and unifying qualities of the field are described using historical references and guest lectures by practicing engineers. The characteristics of professional engineers are discussed in terms of the education, training, and apprenticeship required to become a licensed engineer. The engineering methodology, unifying all engineering disciplines and differentiating it from the sciences, is described using modern examples and first hand accounts. The ethical responsibilities of professional engineers will be heavily emphasized throughout. Corequisite(s): ENGL 1010. **(1)**

ENGR 1061 - Modern Engineering Graphics

An introduction to the basic techniques of computer-aided engineering design including plane and descriptive geometry orthographic, isometric, sectional views, auxiliary views, and dimensional representations, and generating 2D computer designs. One hour of lecture and four hours of drawing and computer laboratory per week. **(3)**

ENGR 1200 - Introduction to Engineering

This course introduces the engineering profession. Information on the different disciplines of engineering will be presented. Professional and ethical aspects of engineering are covered. An introduction to problem solving and the engineering design process with the utilization of makerspace are covered. Students will be introduced to the process of making things, while working with modem techniques like 3D printing, CNC cutting, and programmable electronics among more traditional techniques such as sewing and woodworking. Various forms of technical communication are emphasized. **(3)**

ENGR 2020 - Mechanics-Dynamics

(PHYS 3020) Systematic presentation of elements of classical mechanics using vector algebra and vector calculus. Topics include kinematics, kinetics, work, energy, impulse, and momentum. Prerequisite(s): PHYS 2530 and MATH 2080 . **(3)**

ENGR 2120 - Circuits I

(PHYS 3120) An introduction to the analysis of linear, time-invariant circuits in response to steady-state and time-varying signals using various analytical tools including Kirchhoff's laws, and Thevenin's and Norton's theorems. Prerequisite(s): PHYS 2530 and PHYS 2630 and MATH 2030. **(3)**

ENGR 2210 - Mechanics-Statics

(PHYS 3210) Analysis of systems and bodies considering the fundamental concepts of statics, including vectors, two-dimensional and three-dimensional force systems, equilibrium, friction, centroids, and moments of inertia. Prerequisite(s): PHYS 2530 and MATH 2080. **(3)**

ENGR 2630 - Analytical Methods for Physics and Engineering

(PHYS 2630) An introduction to mathematical methods used in physics and engineering such as vector and tensor analysis, Fourier analysis techniques, phasors, special functions, variation subject to constraints, and elementary renormalization group techniques. The topics are introduced in the context of specific physics and engineering problems in electricity and magnetism, network analysis, modern physics, thermodynamics and mechanics. *Prerequisite(s): PHYS 2530 and MATH 2080. Corequisite(s): MATH 2530.* **(3)**

ENGR 3010 - Electricity and Magnetism I

(PHYS 3010) The development of electromagnetic theory beginning with the fundamental laws of electricity and magnetism, developing Maxwell's equations, and ending with plane electromagnetic waves. Prerequisite(s): PHYS 2530 , PHYS 2630, MATH 2030, and MATH 2080. **(3)**

ENGR 3030 - Optics

(PHYS 3030) Study of the theories of geometrical and physical optics, including reflection, refraction, interference, diffraction, polarization, double-refraction, and lasers. Prerequisites(:) PHYS 2530 or PHYS 2020 and MATH 2070. **(3)**

ENGR 3040 - Thermodynamics

(PHYS 3040) Study of heat and temperature, the thermodynamics laws, work, ideal gases, engines, refrigeration, reversibility, entropy, phase transitions. Prerequisite(s): PHYS 2530 or PHYS 2020. **(3)**

English

Prerequisites for English courses:

Completion of the Advanced Rhetoric Core Curriculum Requirement for the 2000-level, 3000-level, and 4000-level

ENGL 0990 - Preparatory English

A course which introduces students to college writing and revision. Includes individual tutorials in the Writing Center. Placement is determined by ACT and/or SAT scores. **(3 hours non-degree credit, FaSp)**

ENGL 1000 - Intensive English Composition and Rhetoric

An intensive introductory course in which students learn to write in various rhetorical modes and to effectively synthesize secondary source material, for audiences within the academy and beyond. The intensive component includes four class meetings and one individual tutorial in the Writing Resource Center per week. Placement is determined by ACT, SAT, and/or ACCUPLACER scores. **(3, FOUNDATIONS/College Writing, FaSpSu)**

ENGL 1010 - English Composition and Rhetoric

An introductory course in which students learn to write in various rhetorical modes and to effectively synthesize secondary source material, for audiences within the academy and beyond. Placement is determined by ACT, SAT, and/or ACCUPLACER scores. **(3, FOUNDATIONS/College Writing, FaSpSu)**

ENGL 1020 - English Composition and Literature

An introductory course in which students learn to write in rhetorical modes appropriate to the study of literature and to effectively synthesize primary and secondary source material, while continuing to develop core transfer writing skills for varied audiences. Prerequisite(s): College Writing (core curriculum component) **(3, FOUNDATIONS/Advanced Rhetoric & Composition, FaSpSu)**

ENGL 1023H - Introduction to Literature for Honors Students

A introductory course in which students learn different approaches to comprehending and analyzing literary texts and develop skills specific to writing about literature, including research. Placement is determined by ACT scores, SAT scores, advanced placement, and/or permission of the English Department Head. **(3, FOUNDATIONS/Advanced Rhetoric & Composition, FaSp)**

ENGL 1025 - Food in Literature

This course considers the subject of food as it appears in literature. In addition to reading literature, students will write essays (with an emphasis on argumentative), guided reflections, and a research project. Prerequisite(s): College Writing (core curriculum component) **(3, FOUNDATIONS/Advanced Rhetoric and Composition, FaSpSu)**

ENGL 2010 - Introduction to World Literature I

A critical examination of significant works of literature from ancient Mesopotamia through the early modern period, including both Western and non-Western works. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/Creative Expression & Engagement, EXPLORATIONS/Human Past, FaSpSu)**

ENGL 2011H - Introduction to World Literature for Honors Students

A critical examination of significant works of literature from ancient Mesopotamia through the early modern period, including both Western and non-Western works, for selected students. Prerequisite(s): ENGL 1023H (or see discussion of AP credit under Honors in English) **(3, EXPLORATIONS/Creative Expression & Engagement, EXPLORATIONS/Human Past, Sp)**

ENGL 2020 - Introduction to World Literature II

A critical examination of significant works of Western and non-Western literature from the eighteenth century through the postmodern period. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/Creative Expression & Engagement, EXPLORATIONS/Human Past, FaSp)**

ENGL 2070 - Survey of British Literature I

A study of English literature and the history of the English language from the Middle Ages through the Restoration and the Eighteenth Century. Prerequisite(s): Advanced Composition & Rhetoric **(3, EXPLORATIONS/Creative Expression & Engagement)**

ENGL 2080 - Survey of British Literature II

A Study of British literature from 1800 to the present. In addition, this course continues the introduction to undergraduate literary studies begun in ENGL 2070. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/Creative Expression & Engagement, Sp)**

ENGL 2085 - Survey of African American Literature I

A survey of African American literature from its early origins to the turn of the 20th century. Course provides a genealogy of the literature and includes study of different literary genres and rhetorical strategies while also addressing the historical, cultural, and social contexts in which they were created. Required of all English majors. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/African American Heritage and Legacies)**

ENGL 2095 - Survey of African American Literature II

A survey of African American literature from the turn of the 20th century to the present. Course provides a chronological study of the various literary texts produced during the major art and culture movements of the 20th century including the Harlem Renaissance, Realism, Naturalism and Modernism, the Black Arts Movement, and the Contemporary Period. Required of all English majors. Prerequisite(s): College Writing and Advanced Composition & Rhetoric (core curriculum components) **(3, EXPLORATIONS/African American Heritage and Legacies)**

ENGL 2125 - Women's Writing

(WMST 2125) A survey of literature and feminist theory by women writers. **(3, EXPLORATIONS/Creative Expressions and Engagement)**

ENGL 2141 - Journal Practicum

(CRWT 2141) Students gain hands-on experience in publishing. Course is offered for credit on a pass/fail basis and may be repeated for credit. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(1 FaSp)**

ENGL 2143 - Journal Practicum

(CRWT 2143) Students gain hands-on experience in publishing. Course is offered for credit on a pass/fail basis and may be repeated for credit. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3 FaSp)**

ENGL 2200 - Modern English Grammars

PRWT 2200 This course is designed to give students some theoretical understanding of English syntax as well as the uses of Edited American English. Students will learn to manipulate their use of language at the sentence level for specific purposes and audiences, to edit their own writing confidently, and to analyze written texts. Other outcomes will enable students to understand some learners' difficulty with grammar, to look beyond their surface errors, and to understand the difficulties ESL students have with English grammar. Throughout the course, students will read and analyze student and professional writing. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 2400 - Critical Approaches to Literature

Introduction to literary research including survey of theoretical approaches (examples: Historicism, Structuralism, Gender Studies, Reader-Response, Psychoanalytic, Race and Ethnic, Digital Humanities). Course serves as the foundation to all other advanced literature courses offered in the department. Required of all English majors and minors. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 2510 - The Graphic Novel & Social Justice

ART 2510 This course is an interdisciplinary examination of comic art as a vehicle for social justice. This course will teach students to access comics, a genre generally dismissed as non-literary, at multiple levels: the textual, the visual, and the contextual. Students will develop and enhance skills at interpretation through these multiple literacies to value the political and cultural statements that can be made through the comic form. Students will also learn how to manipulate these various literacies to express their own commentaries upon issues of social justice important to them. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/Creative Expression and Engagement)**

ENGL 3001 - Special Topics

Some topics considered for this course include "Law and Literature," "Science Writing," "Gothic Literature," "Hemingway, Fitzgerald, Faulkner," "Africa in Film," and "The Black Hero in Film." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(1, FaSp)**

ENGL 3002 - Special Topics

Some topics considered for this course include "Law and Literature," "Science Writing," "Gothic Literature," "Hemingway, Fitzgerald, Faulkner," "Africa in Film," and "The Black Hero in Film." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(2, FaSp)**

ENGL 3003 - Special Topics

Some topics considered for this course include "Law and Literature," "Science Writing," "Gothic Literature," "Hemingway, Fitzgerald, Faulkner," "Africa in Film," and "The Black Hero in Film." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, FaSp)**

ENGL 3004 - Special Topics

Some topics considered for this course include "Law and Literature," "Science Writing," "Gothic Literature," "Hemingway, Fitzgerald, Faulkner," "Africa in Film," and "The Black Hero in Film." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum components) **(4, FaSp)**

ENGL 3010 - Medieval Literature

A study of English literature from the Anglo-Saxon and Middle English periods. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3021 - Early Modern Literature

A study of early modern prose, poetry and drama. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3025 - The Ideal Society

(PHIL 3025, THEO 3025, XCOR 3010) This is an interdisciplinary course which employs humanistic methods to explore religious, philosophical and literary conceptions of an ideal society. Students will use literary works to inspire and imagine their own model of an ideal society, while learning to justify its values and structures rationally and with recourse to theological reflection. Prerequisite(s): College Writing (core curriculum component) **(3)**

ENGL 3040 - Shakespeare at the Globe

A study of Shakespeare's plays in their early modern contexts. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component). **(3, EXPLORATIONS/Creative Expression and Engagement)**

ENGL 3050 - Shakespeare in Adaptation

A study of the adaptation, appropriation, and reception of Shakespeare's plays from the eighteenth to the twenty-first century. Prerequisite(s): College Writing and Advanced Composition & Rhetoric (core curriculum components) **(3, EXPLORATIONS/Creative Expression & Engagement)**

ENGL 3065 - Writing About Art

(ART 3065, CRWT 3065) An introduction to ekphrastic writing: poetry and writing about the visual arts. Overview of theories and methodologies. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/Creative Expression & Engagement)**

ENGL 3070 - Restoration and Eighteenth Century Literature

A study of the major imaginative literature from 1660 to 1800. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3125 - Twentieth-Century Women Writers

(WMST 3125) A study of literature and feminist theory by women writers from approximately 1900 to the present. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3135 - Language: History and Theory

This course is an introduction to linguistic concepts including morphology, syntax, semantics/pragmatics, language history, language acquisition, language and the brain, and language and society. Examples of these concepts will come from the English language: its history, development, and variations. The goal of this course is to orient secondary education pre-service teachers in the different areas and aspects of the English language. Emphasis is on understanding language variety, production, and change. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3150 - Advanced Writing

Practice in critical, scholarly, and expository writing, with emphasis on writing within the discipline of English. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3160 - Survey of American Literature I

A multicultural study of the major movements, authors, and texts of American literature from the pre-colonial era through the Civil War. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/Creative Expression & Engagement, Fa)**

ENGL 3170 - Survey of American Literature II

A multicultural study of the major movements, authors, and texts of American literature from the Civil War to the postmodern era. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, EXPLORATIONS/Creative Expression & Engagement, Sp)**

ENGL 3175 - Survey of African Literature

(AADS 3175) Introduction to African folklore, poetry, fiction, and drama. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3185 - Special Topics in African American Literature

Genres studied in this course include drama, poetry, and fiction. Major topics (such as the Harlem Renaissance, the Slave Narrative, Toni Morrison) to be announced. This course may be repeated for credit as often as a different topic is available. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3210 - Romantic Literature

A study of Romantic literature, 1800-1832. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3221 - Victorian and Early Twentieth-Century Literature

A study of Victorian prose, poetry, and/or fiction. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3270 - British Literature of the Twentieth and Twenty-First Centuries

A study of British and postcolonial poetry, prose, drama, and/or fiction from the 1920s to the present. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3275 - The Postcolonial Novel

Introduces postcolonial theory and novels from 1960 to the present, representing areas such as the Caribbean, Latin America, Africa, the Middle East, India, Asia, and Oceania. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3280 - Survey of African American Writers of the Eighteenth and Nineteenth Centuries

(AADS 3280) A study of African American texts from the eighteenth century to the Harlem Renaissance in their historical, cultural and literary contexts. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3290 - Survey of African American Writers of the Twentieth and Twenty-first Centuries

(AADS 3290) A study of African American literary texts from the Harlem Renaissance to the contemporary period. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3315 - Teaching English

ENGL 3315 is intended to introduce students to the theory and practice of rhetoric and composition with the intent of preparing the students for becoming teachers of writing. It also explores the different approaches to teaching literature within the context of literary theory. A focus will be placed on developing skills that will aid in designing instruction that effectively impacts the learning of all students. Students will identify objectives and develop assignments and assessment methods, including the design of lesson plans, teaching philosophy, assignments and assessment methods. **(3)**

ENGL 3400 - Critical Theory

A study of interpretive strategies and theoretical assumptions of various approaches to literary criticism. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3, Sp)**

ENGL 3450 - Digital Literature

(DGHU 3450) Explores the transformative potential of digital technologies for reading, writing, and studying literature. Students in the course will examine theories, methods, and practices of digital literary studies as well as read digital literature. **(3)**

ENGL 3500 - The Theology of Flannery O'Connor

(THEO 3500, XCOR 3010) This course is an intensive study of the theological concepts found in the writings of American fiction writer Flannery O'Connor. In addition, students will consider the works purely as literature, therefore reinforcing skills learned in other literature courses. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 3666 - The Devil in Sacred and Secular Literature

(THEO 3666, XCOR 3020) This course examines the theological and literary origins and evolution of the portrayal of the devil, from God's prosecuting attorney in the Hebrew Bible to later portrayals as a monster of scientific creation. Students will explore how the character of the devil and the problem of evil impact a just and humane society by studying sacred texts from around the globe, including but not limited to the Hebrew Bible, the New Testament, and the Koran, as well as secular literature including but not limited to such texts as Dante's *Inferno*, Marlowe's *Dr. Faustus*, Milton's *Paradise Lost*, and Defoe's *Political History of the Devil*. Prerequisite(s): Completion of English and Reading developmental coursework, if needed. **(3, EXPLORATIONS/Faith & Society)**

ENGL 4000H - Directed Studies

Concentrated study of major figures and ideas in a selected period. Open to selected students only. Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 4010S - British Literature Seminar

Intensive study of major figures and ideas in a selected period of British and/or postcolonial literature. Recent topics included "Irish Identities" and "Women and Work in the 1890s." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 4020S - American Literature Seminar

Intensive study of major figures and ideas in a select period of American Literature. Recent topics included "Regionalism in American Literature", and "Henry James: Novel into Film." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 4030S - Poetry Seminar

An intensive study in American, British, or world literature. Recent topics have included "Women Poets" and "Modern Poetry." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 4040S - Drama Seminar

A concentrated study of British, American, and European drama with emphasis on critical reading and analysis of major works. Topics have included "Self Against Society on the Continental Stage" and "Contemporary British Drama." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 4050S - Comparative Literature Seminar

A critical study of the forms and themes of the major foreign literature in translation. Topics have included "Global Haiku," "The Image of Woman in Nineteenth-Century Literature," and "Reading and Writing the Other (Third and First World Literatures Juxtaposed)." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 4060S - African American and African Diaspora Literature Seminar

Intensive study of major figures, periods, and genres in African American literature and literature of the African Diaspora. Topics have included "African Diaspora Literature," "The Black Arts Movement," "Women Writers of the African Diaspora," "Caribbean Women Writers," and "The Literature or Negritude." Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(3)**

ENGL 4125 - A Woman Writer

(WMST 4125). A Woman Writer is intended to introduce students to the study of literature and feminist theory by a particular woman writer. Each semester the focus will be on one woman writer from any century whose work may include a single genre or several, including poetry, essays, short stories, novels, or plays. Prerequisite(s): ENGL 1020 **(3)**

ENGL 4500 - Senior Thesis

In this intensive course, the student will research, draft, and revise a major scholarly essay. The thesis will be directed by one faculty member and evaluated by a committee including the director and two other faculty members. Enrollment follows the selection of a research topic and the development of a proposal with bibliography to be approved by the thesis director and department head. The proposal must be approved by the thesis director and the department head prior to the registration period for the semester of study. Prerequisite(s): 24 semester hours in English with a 3.5 or better English GPA; and permission of the Department Head. **(3, Fa, ENGAGEMENTS/Senior Capstone)**

ENGL 4999 - Senior Comprehensives

Prerequisite(s): Advanced Composition & Rhetoric (core curriculum component) **(0, ENGAGEMENTS/Senior Capstone)**

Entrepreneurship

ENTR 1020 - Introduction to Entrepreneurship

Exposes students to the knowledge and skills required to be a successful entrepreneur. Topics include: idea generation, challenges of entrepreneurship, marketing and financial concerns, and management issues. Students will have the opportunity to interact with local entrepreneurs and to complete a feasibility study. Membership in Enactus is required. Prerequisite(s): None **(3, FaSu)**

ENTR 3021 - Financial Management for Entrepreneurs

This course introduces the student to various aspects of financing an entrepreneurial venture. Included topics are: attracting seed and growth capital from sources such as venture capital, investment banking, government, commercial banks, and credit unions. Among the issues discussed are capital budgeting decision making techniques, financial analysis, cost of capital, and the time value of money. Prerequisite(s): None **(3, Fa)**

ENTR 3780 - Organization and Operation of a Small Business

An examination of methods that investigate the complexity of management practices in general entrepreneurship with a perspective that can explore the marketplace for successful venture opportunities. Strong emphasis is given to learning the skill factors related to planning, marketing, managing, and financing small business ventures. A two- to five-member team will develop a comprehensive consulting report including a full business plan. Membership in Enactus is required. Prerequisite(s): ENTR 1020 and junior or senior standing or permission of the instructor. **(3, Fa)**

Finance

FINC 1070 - Personal Finance

Basics of budgeting and consumer purchases; evaluation of costs and benefits of housing and transportation; tax planning; comparison of investment and insurance choices; retirement and estate planning. May not be used as a Finance concentration elective Prerequisite(s): None May not be used as a Finance concentration elective**(3, FaSp)**

FINC 3010 - Monetary and Fiscal Policy

(ECON 3010) Valuation of stocks and bonds, financial institutions, the structure of the interest rates, definitions of money, bank reserves and the money supply, the Federal Reserve System and the tools of the monetary policy, the role of money in an economy, foundation of the monetarist philosophy, the Keynesian framework, the IS-LM system, role of fiscal policy in the economy, understanding foreign exchange, and balance of payments. Prerequisite(s): ECON 2010 and ECON 2020 **(3, Fa)**

FINC 3050 - Corporate Finance

An introduction to the theories and applications of financial decision-making and effects towards valuation. Topics include time value of money, valuation methodologies, capital budgeting, and forecasting. Prerequisite(s): ECON 2010 or ECON 2020 and ACCT 1010 **(3, FaSp)**

FINC 3060 - International Financial Management

Study of the management of the financial resources of the multinational firm; focuses on the international business environment and financial decision-making in an international context. Prerequisite(s): FINC 3050 **(3, Fa)**

FINC 3070 - Financial Institution Operations and Management

An examination of the role of commercial banking and other financial intermediaries in the economy with applied analysis of bank operations and management; including bank capital structure, the deposit and lending functions, financial institution portfolio management, and other decisions that affect value to the financial institution. Prerequisite(s): FINC 3050 **(3, Sp)**

FINC 3080 - Public Finance

(ECON 3080) Organization and administration of revenues and expenditures of all levels of government, provision of public goods, introduction to Public Choice theory. Prerequisite(s): ECON 2010 and ECON 2020 **(3)**

FINC 3110 - Principles of Real Estate

This course examines the principles of purchasing, owning, and managing real estate. Topics include valuation and financing of commercial, industrial, and residential properties; supply and demand factors influencing real estate; historic properties; and real estate development. Prerequisite(s): None **(3)**

FINC 3130 - Principles of Insurance

This course presents an overview to principles of risk management and the various fields of insurance, including Life, Health, Property & Casualty, Automobile, and Social Insurance programs. Prerequisite(s): FINC 3050 **(3)**

FINC 3160 - Advanced Financial Management

Analysis of decision-making techniques using quantitative tools and computer applications. Students gain insights into financial strategies and decisions using case studies. Topics include financial planning, working capital management, dividend policy, and mergers and acquisitions. Prerequisite(s): FINC 3050 **(3, Sp)**

FINC 3170 - Investments

Students are introduced to securities and capital markets. Topics include principles of risk and return, stock and bond valuation, mutual funds and security analysis. Students gain practical experience to investments through trading simulations. Prerequisite(s): FINC 3050 **(3, Fa)**

FINC 3200 - Managerial Economics

(ECON 3200) Use of Microeconomic methods as management decision making tools in order to assure the attainment of a firm's goals and objectives; use of case studies with microeconomic applications. Prerequisite(s): BSAD 3055 and ECON 2010 **(3)**

FINC 4000 - Seminar in Portfolio Management

Demonstration of portfolio analysis techniques using computer applications. Additional topics will focus on option pricing, futures markets, technical analysis, and international portfolio management. References for the course will be developed from classical works as well as recent journal articles. Prerequisite(s): FINC 3050 and FINC 3170 **(3)**

FINC 4999 - Senior Comprehensives

Prerequisite(s): Senior standing. **(0, FaSp)**

French

FREN 1010 - Elementary French

Usually offered fall and spring semesters. An introductory course for students with little or no previous training in French. Experiential French learned through on-site historical and cultural observations and participation in regional activities throughout French-speaking Louisiana. Emphasis on the four foundational skills:comprehension, reading, speaking, and writing. **(3, FaSpSu)**

FREN 1020 - Elementary French

A continuation of building communicative skills, with emphasis upon the four skills of comprehension, speaking, reading, and writing. Mastery of oral proficiency and grammatical structures appropriate to the development of intermediate-level communication. Experienced-based cultural interactions, present, past, and future tenses, description, developing competency for social and work situations. Prerequisite: FREN 1010 or equivalent as determined by placement exam. **(3, FaSpSu)**

FREN 1090 - Conversation and Culture

An accelerated course built around two organizing principles, the development of language communicative capabilities and the acquisition of cultural competency. Students will spend the first week of the course becoming familiar with the key principles for discussing culture through an examination of their ideas about their cultures of origin. At the same time, students will review grammar concepts learned in their previous language study and will enhance their knowledge of these concepts through specific communication goals. Prerequisite: minimum placement exam score (see departmental policy or completion of FREN 1020). **(3)**

FREN 2010 - Intermediate French

2010 usually offered fall semester. Continuing development of the four skills of comprehension, speaking, reading, and writing. Study of selected texts and cultural materials. Web-based study of cultural and social tasks, with extensive student oral reports. Films, computer drills, and audiovisuals required. Readings from texts by Francophone writers, especially North African (2nd semester). Prerequisites: FREN 1010-FREN 1020 or equivalent as determined by placement exam. **(3)**

FREN 2020 - Intermediate French

2020 usually offered spring semester. Continuing development of the four skills of comprehension, speaking, reading, and writing. Study of selected texts and cultural materials. Web-based study of cultural and social tasks, with extensive student oral reports. Films, computer drills, and audiovisuals required. Readings from texts by Francophone writers, especially North African (2nd semester). Prerequisites: FREN 1010-FREN 1020 or equivalent as determined by placement exam. **(3)**

FREN 3001 - Advanced Grammar and Composition

Intensive review of grammar. Emphasis is on verbs, idioms, the subjunctive, and the spoken language. Extensive use of films and readings to place structures under study in context. Prerequisites: FREN 2020 or permission of instructor and department head. **(3)**

FREN 3002 - Advanced Grammar and Composition

Intensive review of grammar. Emphasis is on verbs, idioms, the subjunctive, and the spoken language. Extensive use of films and readings to place structures under study in context. Prerequisites: FREN 2020 or permission of instructor and department head. **(3)**

FREN 3010 - French Medieval and Renaissance Literature

A survey of literary and cultural documents written in Western Europe, with emphasis upon the literary traditions in Latin and the vernacular. From the Benedictine Rule to the Book of the City of Ladies by Christine de Pisan, students situate texts within their cultural context to understand both the impact of such texts upon the society which produced them and the effect of the social milieu upon literary production. Modern French versions of vernacular texts and translations of Latin works such as the Rule, the poetry of the Goliards, and the Sermon on the Song of Songs of St.

Bernard Clairvaux. The lyric poets; the Pleiade. This course may be expanded to two semesters by continuing as a directed reading. **(3)**

FREN 3011 - Advanced Conversation

Conversation based upon texts, videos, and Web-based sources. Analysis of cultural and some literary texts. Emphasis upon modern films and journalistic writings. Prerequisites: FREN 2010-FREN 2020 or permission of instructor and department head. **(3)**

FREN 3012 - Advanced Conversation

Conversation based upon texts, videos, and Web-based sources. Analysis of cultural and some literary texts. Emphasis upon modern films and journalistic writings. Prerequisites: FREN 2010-FREN 2020 or permission of instructor and department head. **(3)**

FREN 3020 - Introduction to Afro Francophone Cultural Readings

A survey of selected Francophone oral and written literature and the social, cultural and historic factors that have given rise to their development throughout the Francophone societies of the Diaspora. Class participants will develop an ability to read critically in a literature that is the product of cultures which may be unfamiliar to them. Taught in English. **(3)**

FREN 3021 - Readings in Francophone Culture

(ALCS 3021) A reading course designed to build advanced-level skills in comprehension of the text. Readings are taken from throughout the Francophone world and may also serve to introduce Francophone writings to those who later may wish to study international Afro Francophone works. Prerequisites: FREN 2010-FREN 2020. **(3)**

FREN 3022 - Afro Francophone Women Writers

(AADS 3022, ALCS 3022, WMST 3022) As background to the study of Afro-informed writings by African women of the French-speaking countries of Haiti, Guadeloupe, Martinique and French Guiana, the course also studies novels by women from French-speaking African countries such as Cameroon, Senegal, Ivory Coast, Algeria, and Congo, supplemented with films set in Burkina Faso and Mali that deal with women's issues. Historical contexts, feminist movements, and women's roles are considered in order to situate the literature. The class utilizes a book-club discussion format as well as student oral presentations, weekly essays, and a final paper. Prerequisites: FREN 2010-FREN 2020 or permission of instructor and department head. **(3)**

FREN 4010 - Littérature Africaine Francophone (The Literature of French-Speaking Africa and the Caribbean)

(AADS 4010, ALCS 4010) A survey of two principal aspects of literary expression in Francophone Africa and the Caribbean, oral and written literature and the social, cultural and historic factors that have given rise to their development throughout the Francophone societies of the African continent and the New World. Prerequisites: 6 hours of FREN beyond FREN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

FREN 4031 - Directed Readings in French

Readings in an area of French literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisite: Permission of instructor and department head. **(1)**

FREN 4032 - Directed Readings in French

Readings in an area of French literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisite: Permission of instructor and department head. **(2)**

FREN 4033 - Directed Readings in French

Readings in an area of French literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisite: Permission of instructor and department head. **(3)**

FREN 4041 - Directed Readings in French

Readings in an area of French literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisite: Permission of instructor and department head. **(1)**

FREN 4042 - Directed Readings in French

Readings in an area of French literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisite: Permission of instructor and department head. **(2)**

FREN 4043 - Directed Readings in French

Readings in an area of French literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisite: Permission of instructor and department head. **(3)**

FREN 4050 - Internship

Placement in a supervised work or research situation using French. Prerequisite: Permission of department head. **(3)**

FREN 4051 - Special Topics in French

Critical analysis and exploration of language, culture, or literature. Topics vary according to the needs and interests of department faculty and majors. May be repeated for up to 12 hours of credit. Prerequisites: 6 hours of French beyond FREN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

FREN 4052 - Special Topics in French

Critical analysis and exploration of language, culture, or literature. Topics vary according to the needs and interests of department faculty and majors. May be repeated for up to 12 hours of credit. Prerequisites: 6 hours of French beyond French 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

FREN 4053 - Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature.

(LANG 4053, SPAN 4053) This course is a capstone course designed for the upper-level students majoring in either French or Spanish. Through readings of both critical texts and literary works, students develop a comprehension of the relationships among history, culture, ideology, and literary production. Students read the literary works under study in their target languages. Discussion is in English in order to accommodate majors from both languages. **(3)**

FREN 4071 - Independent Study

Students conduct an independent study or research project with the approval, guidance and supervision of an instructor from the Department of Languages. The project must be an area of study or activity that is not covered by another course and may be conducted on or off campus. Prerequisites: Approval of instructor and department head. **(1)**

FREN 4072 - Independent Study

Students conduct an independent study or research project with the approval, guidance and supervision of an instructor from the Department of Languages. The project must be an area of study or activity that is not covered by another course and may be conducted on or off campus. Prerequisites: Approval of instructor and department head. **(2)**

FREN 4073 - Independent Study

Students conduct an independent study or research project with the approval, guidance and supervision of an instructor from the Department of Languages. The project must be an area of study or activity that is not covered by another course and may be conducted on or off campus. Prerequisites: Approval of instructor and department head. **(3)**

FREN 4080 - Foreign Language Teaching Methodology

(LANG 4080, SPAN 4080) An examination of conventional methodologies of teaching foreign languages. This presentation will be directed to both primary and secondary levels and will include the following topics, among others: analysis of the theoretical premises upon which each method is founded; critical assessment of the strengths and limitations of each method; demonstration of classroom techniques derived from the various methods; discussion of the proficiency orientation contained in each method; and analysis of current textbooks and materials with discussion of how they reflect the theories under study. The practical component of the course will be integrated through demonstrations of teaching techniques, peer teaching, class observations, and hands-on activities. **(3)**

FREN 4999 - Senior Comprehensives

(0, ENGAGEMENTS/Senior Capstone)

General Education

EDUC 1000 - Teacher Prep

Sessions to prepare students for the professional teacher education examinations. A grade of P is given for students who successfully complete the practice session. Prerequisite(s): None **(0, Fa)**

EDUC 2005M - Praxis PPST Math

Students must register for this part of the Praxis during the semester that they officially plan to take the test. A grade of P is recorded on the student's transcript for a passing grade and NG for a score below the state qualifying score. **(0)**

EDUC 2005R - Praxis PPST Reading

Students must register for this part of the Praxis during the semester that they officially plan to take the test. A grade of P is recorded on the student's transcript for a passing grade and NG for a score below the state qualifying score. **(0)**

EDUC 2005W - Praxis PPST Writing

Students must register for this part of the Praxis during the semester that they officially plan to take the test. A grade of P is recorded on the student's transcript for a passing grade and NG for a score below the state qualifying score. **(0)**

EDUC 2035 - Child & Adolescent Psychology

At the completion of this course the student will be able to identify and describe the physiological, intellectual, social, emotional, and moral factors which affect child growth and development. Prerequisite(s): None **(3, Fa)**

EDUC 2040 - Introduction to the Exceptional Child

At the completion of this course, the student will be able to identify and assist children with exceptional needs from the slow learner to the gifted. Prerequisite(s): None **(3, Sp)**

EDUC 2044 - Methods of Classroom Organization and Management

At the completion of this course, the student will be able to manipulate those variables that affect classroom management: space, time, multiplicity of tasks, difficulty level, language, and interpersonal relationships. Prerequisite(s): None **(3, Fa)**

EDUC 2100 - Middle School Teaching

This course is designed to prepare middle school teacher candidates to become competent professionals who can guide and facilitate classroom interactions to meet the learning needs of diverse populations of students in the middle school environment. Prerequisite(s): None **(3, Fa)**

EDUC 2200 - Multicultural Education

This course is designed with emphasis on the pluralistic aspect of society as it relates to schools, teaching, learning and the development of curriculum considerations for elementary and secondary areas of education. Candidates will be introduced to learning styles and various teaching techniques to meet the needs of all learners at their appropriate grade levels. Prerequisite(s): None **(3, Sp,)**

EDUC 2500 - Methods of Teaching 1-12

At the completion of this course, the student will be able to plan, evaluate, and use instructional strategies suited to the academic disciplines studied. Prerequisite(s): None **(3)**

EDUC 3005L - Principles of Learning and Teaching Praxis II

Students must register for the Praxis II during the semester that they officially plan to take the test. A grade of P is recorded on the student's transcript for a passing grade and NG for a score below the state qualifying score. **(0)**

EDUC 3040 - Educational Psychology

Usually offered fall semester. This course is designed to prepare the student to identify and describe the cognitive and affective factors influencing the learning process through the study of the nature, conditions, outcome, and evaluation of learning. Systems approach, media, and clinical experiences are used. Prerequisite(s): Admitted into TEP. **(3, Fa)**

EDUC 3060A - Strategies and Methods for K-3 Math

This course is designed to prepare elementary school teacher candidates to become competent professionals who can guide and facilitate classroom interactions to meet the learning needs of diverse populations of students. Prerequisite(s): Admitted into TEP. **(3, Fa)**

EDUC 3060B - Strategies and Methods for 4-8 Math

This course is a continuation of EDUC 3060A and concentrates on using technology in teaching mathematics in the elementary and middle school classrooms. Prerequisite(s): Admitted into TEP. **(3, Sp)**

EDUC 4001 - Directed Project in Education

Register only with permission of chairperson. **(1)**

EDUC 4002 - Directed Project in Education

Register only with permission of chairperson. **(2)**

EDUC 4003 - Directed Project in Education

Register only with permission of chairperson. **(3)**

EDUC 4005S - Praxis Specialty Area

Students must register for this part of the Praxis during the semester that they officially plan to take the test. A grade of P is recorded on the student's transcript for a passing grade and NG for a score below the state qualifying score. **(0)**

EDUC 4011 - Directed Readings in Education

Register only with permission of chairperson. **(1)**

EDUC 4012 - Directed Readings in Education

Register only with permission of chairperson. **(2)**

EDUC 4013 - Directed Readings in Education

Register only with permission of chairperson. **(3)**

EDUC 4030 - Educational Measurement and Evaluation

This course is designed to prepare the student to employ elementary statistical methods in the interpretation of test measurement; to construct and use various types of tests and measurement scales; and to utilize tests in the diagnosis and remediation of student performance. Prerequisite(s): Admitted into TEP. **(3, Fa)**

EDUC 4060A - Student Teaching (Elementary Education Majors)

This course includes: (a) Observation and participation in the classroom; (b) Full-time participation in instructional activities and other teaching assignments; and (c) Readings and experiences in classroom management and teaching techniques. Concurrent enrollment with Student Teaching Seminar. Prerequisite(s): Admission into TEP, passing score on Praxis Specialty Area and completion of Praxis PLT. **(9, Fa, Sp)**

EDUC 4060S - Student Teaching Seminar

This seminar will include weekly meetings to discuss the student teaching experience. Students will exchange ideas and provide assistance to each other along with the professor providing guidance throughout the semester. Students will develop lesson plans and behavior management plans to work with disruptive students. To be taken concurrently with student teaching. **(0, Fa, Sp)**

EDUC 4065 - Student Teaching (All Education Majors)

This course includes: (a) Observation and participation in the classroom; (b) Full-time participation in instructional activities and other teaching assignments; and (c) Readings and experiences in classroom management and teaching techniques. Concurrent enrollment with Student Teaching Seminar. Prerequisite(s): Admission into TEP, passing score on Praxis Specialty Area and completion of Praxis PLT. **(12, Fa, Sp)**

EDUC 4113R - Clinical Procedures in Remedial Reading in the Elementary School

At the completion of this course, the student will be able to diagnose and remediate reading difficulties. Informal and formal diagnostic techniques will be included. Opportunities for remedial tutoring of disabled readers in a classroom setting are provided. Prerequisite(s): Admitted into TEP. **(3, Sp)**

EDUC 4999 - Senior Comprehensives

Passing score on Praxis PLT **(0)**

Geography

GEOG 1010 - World Geography

A survey of patterns found in the natural environment, an examination of human and cultural distribution and their spatial interaction on a global scale. **(3)**

GEOG 2010 - Physical Geography

Physical, soil, vegetation and climatic regions are outlined along with the processes that produce them. **(3)**

GEOG 3010 - A Regional Geography of the World

A survey of the geographical characteristics and major problems of each of the continents. Attention is given to important individual countries and to groups of countries within each world region and the major challenges facing the world. **(3)**

GEOG 3020 - Louisiana and Its Resources

A comprehensive study of Louisiana's natural and cultural elements and regions. An observation of man's role with regard to nature and the future of Louisiana. (May replace HIST 3040 for Elementary Education Certification.) **(3)**

Graduate Education

EDCG 5000 - Statistics

A study of statistical methods and techniques in education and psychology with appropriate application for research and psychological testing. Prerequisite(s): None **(3, Fa)**

EDCG 5010 - Research

An introduction to the bibliography, literature, and the major methods employed in investigating and solving problems. The course seeks to develop the ability to obtain, analyze, and interpret important types of data. Must be taken within the first nine hours of graduate work. Prerequisite(s): EDCG 5000 **(3, Sp)**

EDCG 5083 - Special Problems in Research

A directed project supervised by the instructor. May be repeated once for credit. Prerequisite(s): Consent of Instructor. **(3, Su)**

EDCG 5090 - Advanced Educational Psychology

A consideration of internal and external factors as facilitators or inhibitors of cognitive development. Applications of major learning theories will be examined. Prerequisite(s): None **(3, Fa)**

EDCG 5500 - Instructional Technology

The course outline will begin with where the students are in educational technological expertise. Through an individualized approach, all students will be brought up to their speed with word processing, data bases, graphics and management applications for microcomputers in DOS/Windows or Macintosh operating systems. After these basics, students will learn basic hypertext authoring incorporating multimedia elements. The course features an introduction to online communication, e-mail and the Internet. The course will present strategies for evaluating and using software in specific curricular settings. A course project based on the grade level and disciplinary interests of the students will be the final product of the course. Prerequisite(s): None **(3, Su)**

EDCG 5600 - Advanced Instructional Technology

The course will present advanced strategies for evaluating and using software in specific curricular settings. A course project based on the grade level and disciplinary interests of the students will be the final product of the course. Prerequisite(s): EDCG 5500 **(3, Fa)**

EDCG 5700 - Technology Leadership in Schools

The course includes foundational skills for managing technology for teaching and learning at the school site. These skills will include school wide planning that incorporates instructional design, curriculum integration with the standards, and logistics of technology implementation within the local school site, training and evaluation. Candidates will plan and implement projects for local school site improvement. Prerequisite(s): EDCG 5500 and EDCG 5600. **(3, Sp)**

EDCG 5775 - School-Age Language Learning Problems

This course provides a description of basic components of language (e.g., semantics, pragmatics, morphology, phonology) and the way these components interact with each other to produce language and reading problems. Prerequisite(s): None **(3, Sp)**

EDCG 5800 - Special Topics in Education

Students will be allowed to explore special topics in Education in a seminar format. Prerequisite(s): Consent of Advisor and Instructor. **(3)**

EDCG 6000 - Research Methodology and Statistics in Education

This course is an advanced study of the basic concepts of statistical research. Candidates will be able to analyze advanced statistical procedures used in empirical research in social and behavioral sciences. They will be able to explain and summarize statistical information in text, charts, figures, and tables using statistical methods and techniques. **(3, Su - 1)**

EDCG 6010 - Quantitative Research Methods

This course is designed to introduce candidates to the nature and uses of quantitative research. Candidates will practice methods of gathering, analyzing, and interpreting important types of quantitative data. Statistical software packages will be used to develop graphs, tables, or other forms of statistics. Candidates will be able to interpret the results related to specific research cases. Prerequisite: EDCG 6000 **(3, Fa - 2)**

EDCG 6012 - Qualitative Research Methods

This course is designed to introduce candidates to the nature and uses of qualitative research. Candidates will practice methods of gathering, analyzing, and interpreting types of data that studies social and cultural experiences. The case study, ethnographic, and action research methods as well as other methods of qualitative research will be studied. Candidates will be able to interpret the results related to specific research cases. Prerequisite: EDCG 6000 **(3, Sp - 2)**

Graduate English

GENG 5150 - Advanced Writing

Comprises critical, scholarly, and expository writing. Candidates will write different types of essays and enhance their writing skills including error corrections, grammar usage, and punctuation usage. Candidates will evaluate various forms of writing and explain the reason for the analysis. **(3, FaSpSu)**

GENG 5160 - Writing Across the Curriculum

Candidates will learn how to create various writing assignments across subject matter that promote critical thinking. They will demonstrate an understanding of how to use the writing process to help students to plan and organize their thoughts across curriculum areas. Candidates will learn how to use writing across disciplines to help students learn how to communicate effectively within subject matter. **(3, Su)**

Graduate General Education

EDUC 5380 - Student Teaching

This course includes full-time: (a) Observation and participation in the classroom; (b) Full-time participation in instructional activities and other teaching assignments; and (c) Readings and experiences in classroom management and teaching techniques. **(6, FaSp)**

Graduate Mathematics

GMAT 5020 - Statistical Methods I

Descriptive statistics, probability and statistical inference. Hypothesis testing of population means, proportions, etc. **(3)**

GMAT 5025 - Statistical Methods II

Hypothesis testing of population means, proportions, etc. Contingency tables, goodness-of-fit, analysis of variance, nonparametric statistics. Introduction of computer packages to analyze data. Prerequisite(s): Grade of "C" or higher in GMAT 5020 or equivalent or permission of instructor. **(3)**

GMAT 5035 - Linear Algebra

Systems of equations, matrices, determinants, vector spaces, linear mappings, etc. Prerequisite(s): Grade of "C" or higher in MATH 1030 or advanced placement by test score or permission of instructor. **(3)**

GMAT 5040 - Introductory Analysis for Teachers I

The derivative and integral with their principal interpretations and interrelations; simpler techniques of differentiation and integration; applications. Prerequisite(s): Grade of "C" or higher in MATH 1030 or advanced placement by test score or permission of instructor. **(3)**

GMAT 5045 - Theoretical Foundations of Mathematics for Teachers

Foundations of theoretical mathematical sciences. Introduction to proofs from: mathematical logic, set theory, relations. Students will be expected to present independent written work to the class orally for criticism and discussion. Prerequisite(s): Grade of "C" or higher in GMAT 5040 or equivalent or permission of instructor. **(3)**

GMAT 5050 - Discrete Mathematics

Continuation of GMAT 5045. Foundations of theoretical mathematical sciences: networks, functions and introduction to algebraic structures. Students will be expected to present independent written work to the class orally for criticism and discussion. Prerequisite(s): Grade of "C" or higher in MATH 1030 or advanced placement by test score or permission of instructor. **(3)**

GMAT 5055 - Finite Mathematics for Teachers

Systems of equations, matrices, determinants, linear programming and elementary probability and markov processes, simplex method, mathematical induction. Prerequisite(s): Grade of "C" or higher in MATH 1030 or advanced placement by test score or permission of instructor **(3)**

GMAT 5070 - Introductory Analysis for Teachers II

Continuation of GMAT 5040: differential and integral calculus of functions of a single real variable with applications; theory of curves; series. Prerequisite(s): Grade of "C" or better in GMAT 5040 or equivalent or permission of instructor. **(3)**

GMAT 5080 - Introductory Analysis for Teachers III

Continuation of GMAT 5070: Real-valued functions of several variables; partial differentiation; multiple integration; applications. Prerequisite(s): Grade of "C" or better in GMAT 5070 or equivalent or permission of instructor. **(3)**

GMAT 5100 - History of the Mathematical Sciences

History of mathematics from ancient times to the present. Prerequisite(s): Grade of "C" or higher in GMAT 5040 and GMAT 5045 or equivalent or permission of instructor. **(3)**

GMAT 5900 - Modern Geometry

Elementary foundations of geometry from a rigorous point of view, concepts in advanced Euclidean and non-Euclidean geometry. Prerequisite(s): Grade of "C" or higher in GMAT 5040 and GMAT 5045 or permission of instructor. **(3)**

GMAT 6010 - Applied Mathematics

Applications of different topics in mathematics with emphasis on modeling techniques. Prerequisite(s): Grade of "C" or higher in GMAT 5040 or equivalent or permission of instructor. **(3)**

GMAT 6030 - Differential Equations

Usual methods of solving ordinary differential equations; introduction to the general theory. Prerequisite(s): Grade of "C" or higher in GMAT 5070 or equivalent or permission of instructor. **(3)**

GMAT 6040 - Numerical Analysis

Methods of numerical computation. Error analysis, solutions of equations, interpolation and polynomial approximation, least squares approximation, numerical differentiation and integration, numerical solution to differential equations. Prerequisite(s): GMAT 6030 **(3)**

GMAT 6051 - Mathematical Probability and Statistics I

Introduction to concepts of probability and random variables. Discrete and continuous distributions with applications. Algebra of expectations. Covariance and correlation of two random variables. Prerequisite(s): Grade of "C" or higher in GMAT 5080 or equivalent or permission of instructor. **(3)**

GMAT 6061 - Mathematical Probability and Statistics II

Purpose and nature of sampling, particularly from normal populations. Chi-square, t, and F distributions. Formulating and testing statistical hypotheses, point and interval estimation. Prerequisite(s): Grade of "C" or higher in GMAT 6051 or equivalent or permission of instructor. **(3)**

GMAT 6070 - Real Analysis I

Real number system, limits, continuity, differentiation, Riemann-Stieltjes integration, series. Prerequisite(s): Grade of "C" or higher in GMAT 5045 or equivalent or permission of instructor. **(3)**

GMAT 6080 - Real Analysis II

Real number system, limits, continuity, differentiation, Riemann-Stieltjes integration, series. Prerequisite(s): Grade of "C" or higher in GMAT 5045 or equivalent or permission of instructor. **(3)**

GMAT 6090 - Modern Algebra I

Algebraic structures, groups, rings, fields, vector spaces. Prerequisite(s): Grade of "C" or higher in GMAT 5045 or equivalent or permission of instructor. **(3)**

GMAT 6100 - Modern Algebra II

Algebraic structures, groups, rings, fields, vector spaces. Prerequisite(s): Grade of "C" or higher in GMAT 5045 or equivalent or permission of instructor. **(3)**

GMAT 6130 - Biostatistical Methods

Applications of descriptive and inferential statistics to health science disciplines. Introduction of specialized techniques used in biomedical sciences. Prerequisite(s): Grade of "C" or higher in GMAT 5020 or equivalent or permission of instructor. **(3)**

Graduate Student Teaching

EDST 5372A - Internship in Student Teaching

A program designed to give practical supervised experience in teaching in a school setting. Candidate enrolls in the fall and spring for a full year of internship. **(3, FaSp)**

EDST 5372B - Internship in Student Teaching

A program designed to give practical supervised experience in teaching in a school setting. Candidate enrolls in the fall and spring for a full year of internship. **(3, FaSp)**

Greek

GREK 1124 - Introduction to Biblical Greek

(THEO 1124) This course provides a basic introduction to the Greek language used in writing the New Testament. The student will be instructed in the basic morphology of koine Greek in order to develop translation skills from Greek to English and facilitate readings of New Testament passages and for interpreting various Christological views. The grammar is deductive in approach. This course also introduces students to the study of textual criticism and the textual apparatus of The Greek New Testament. Prerequisite: successful completion of all English/Reading developmental coursework. **(3)**

GREK 1125 - Introduction to Biblical Greek

(THEO 1125) This course provides a basic introduction to the Greek language used in writing the New Testament. The student will be instructed in the basic morphology of koine Greek in order to develop translation skills from Greek to English and facilitate readings of New Testament passages and for interpreting various Christological views. The grammar is deductive in approach. This course also introduces students to the study of textual criticism and the textual apparatus of The Greek New Testament. Prerequisite: GREK 1124/THEO 1124. Successful completion of all English/Reading developmental coursework. **(3)**

Health

HLTH 1141 - First Aid and C.P.R

At the completion of this course, students will have earned certification in Community First Aid, Safety and CPR. Prerequisite(s): None **(1, FaSpSu)**

HLTH 2141 - CPR/AED Professional Responder and Health Care Provider

At the completion of this course, students will have earned an advanced certification in Community First Aid, Safety and CPR. *Prerequisite(s): None.* **(1, FaSpSu)**

Hebrew

HBWR 1122 - Introduction to Biblical Hebrew

(THEO 1122) An introductory course for students with little or no previous training in Hebrew. Introduces basic vocabulary and grammatical structure. Theological focus includes reading in the Hebrew language and discussing theophanies, biblical law, descriptions of God, and biblical poetry. Also introduces students to textual criticism. Prerequisite: successful completion of all English/Reading developmental coursework. **(3)**

HBWR 1123 - Introduction to Biblical Hebrew

(THEO 1123) An introductory course for students with little or no previous training in Hebrew. Introduces basic vocabulary and grammatical structure. Theological focus includes reading in the Hebrew language and discussing theophanies, biblical law, descriptions of God, and biblical poetry. Also introduces students to textual criticism. Prerequisite: HBWR 1122/THEO 1122. Successful completion of all English/Reading developmental coursework. **(3)**

History

HIST 1030 - World Civilizations to 1500

Survey of major civilizations of ancient world. Transition to Middle Ages in Africa, Asia, and Europe. **(3, EXPLORATIONS/Human Past, FaSpSu)**

HIST 1031H - World Civilizations to 1500

Survey of major civilizations of ancient world. Transition to Middle Ages in Africa, Asia, and Europe. For selected honors students. **(3, EXPLORATIONS/Human Past, Fa)**

HIST 1040 - World Civilizations Since 1500

Survey of major world civilizations from 1500 to post-war world. Emphasis on development of modern state system, rise of Western dominance and emergence of Third World nations. **(3, EXPLORATIONS/Human Past, FaSpSu)**

HIST 1041H - World Civilizations Since 1500

Survey of major world civilizations from 1500 to post-war world. Emphasis on development of modern state system, rise of Western dominance and emergence of Third World nations. For selected honors students. **(3, EXPLORATIONS/Human Past, FaSp)**

HIST 1050 - Twentieth Century World History

This course covers the history of the world during the twentieth century. The course will focus on the politics, foreign policy, and economic theories of that era. The areas of the world most prominently discussed will be Europe, Africa, Asia, and the New World. **(3)**

HIST 1400 - Worlds of Trade: Consumers and Goods in World History Since 1400CE

Exploration of how the cultivation and exchange of certain goods transformed global societies, politics, and economies between 1400 CE and the present. This class will pay special attention to the connections between changing global markets and historical understandings of racial and ethnic identities, class structures, and discussions of government power. **(3, EXPLORATIONS/Human Past)**

HIST 1500 - Women in World History

(WMST 1500) This course provides an overview of the history of women in world civilizations with an emphasis on both the lived experiences of women in a wide range of different cultural contexts, as well as the construct of gender - that is, how both men and women behave in society. We will seek to understand how ideas of gender - and women specifically - have affected the construct of institutions as varied as government, religion, race and class. Prerequisites: None **(3, EXPLORATIONS/Human Past)**

HIST 1600 - Colonial Encounters in the Modern World

Beginning with the Modern World, Europeans, and later Americans, sought to conquer and colonize territories in the New World, Africa, the Middle East, and Asia in the name of God, Glory, and Gold. This class will look at the reasons behind the spread of European civilization and power - including trade, religion, nationalism, and diplomacy - from the perspectives of both the conquerors and the conquered. Prerequisites: None. **(3)**

HIST 1800 - Slavery and Servitude in World History

This is a comparative course that looks at slavery and servitude in the Americas, Africa, Europe, and Asia. Special focus is on the continuity of class exploitation throughout time. Prerequisites: None. **(3, EXPLORATIONS/Human Past)**

HIST 1810 - Human Rights in Global History

This course addresses civilizations across the globe since ancient times and the ways they viewed basic human rights. Topics include: the development of individualism and the definition of basic human rights; the Enlightenment; the intersections between religion and societal ideas of human rights; organizations like the U.N.; and the challenges of defending human rights in modern times. Prerequisites: None **(3, EXPLORATIONS/Human Past)**

HIST 2010 - The United States to 1865

Explores the interaction and development of American society. Economic, political, religious, and cultural institutions from colonial beginnings to Civil War. Examines colonial resistance, revolution, territorial expansion, economic growth, sectionalism, slavery, and the coming of the Civil War. Prerequisites: None **(3, Fa)**

HIST 2020 - The United States Since 1865

Explores development of American society, economy, politics, culture, and diplomacy from Reconstruction to present. Examines Reconstruction, industrialization, imperialism, wars, civil rights movement, and American involvement in the international world. Prerequisites: None **(3, Sp)**

HIST 2050 - Survey Topics in History

Survey of a topic or historical period of special interest. Prerequisites: None **(3)**

HIST 2060 - Ethnicity & Immigration in US History

This course provides a history of the United States as told through the immigrant experience. The course will examine the immigration and assimilation of European, Asian, and Latin American peoples while exploring the development of urban ethnic communities and the changing ethnic profile of the U.S. The course will also cover nativism and the concept of nationhood and solidarity. Prerequisites: None **(3, EXPLORATIONS/Human Past)**

HIST 2170 - Survey of Medieval Europe

Focused study of selected historical themes from late antiquity to the end of the Middle Ages. Topics include the evolving synthesis of Germanic, Christian, and late Roman cultures; ethnogenesis in Europe from the fifth through the tenth centuries; the cult of the saints in the early Middle Ages; the ideology of sacral kingship; church reform, the Investiture Controversy, and the medieval papacy; Jews in medieval Europe; and the transformation of the medieval state from a network of personal ties to a system of government rooted in royal bureaucracy and administration. Prerequisites: None **(3, EXPLORATIONS/Human Past)**

HIST 2220 - Islam: Origins and Historical Impact

(THEO 2220, XCOR 3020) Examines the origins of Islamic religion and culture, as well as its history and global impact, by employing theological and historical methodologies. **(3, EXPLORATIONS/Faith and Society, EXPLORATIONS/Human Past)**

HIST 2250 - Religions of the Ancient Near East

(THEO 2250) Examines religion in ancient Egypt, Mesopotamia, Syria, and Israel/Canaan through reading ancient Near Eastern religious texts, viewing religious iconography, and examining religious architecture and cultic implements. The course will explore these ancient societies' answers to such questions as the nature of the divine, the relationship between the divine and humans (including all classes of society), creation, problems of theodicy, and their notions of afterlife. Prerequisite: None **(3, EXPLORATIONS/Faith and Society, EXPLORATIONS/Human Past)**

HIST 2415 - Introduction to Historical Research and Writing

Introduction to methods, techniques and concepts used by historians and other researchers. Emphasis is on methods of archival research and analysis, problems in dealing with evidence, interpretation, and theory in various chronological and geographic settings. Class conducted in an archival setting. Prerequisite(s): 3 credits of HIST, completion of College Writing, and permission of instructor or department head. **(3, FOUNDATIONS/Advanced Rhetoric & Composition, Fa)**

HIST 2600 - Africa and the World

(AADS 2600) Survey of the history of Africa within a global perspective. Course themes include early kingdoms in North Africa, the early influence of Christianity and Islam on African societies, Africa's early contacts with Europeans and the eras of the Atlantic Slave trade, colonialism, nationalism, and contemporary Africa. Prerequisites: None **(3, EXPLORATIONS/African American Heritage & Legacies, EXPLORATIONS/Human Past)**

HIST 2700 - Introduction to Latin American History

Considers the social, cultural, and political developments that have affected the region, beginning with the indigenous populations before Europeans' arrival, and continuing to the present historical situations of Latin Americans. Prerequisites: None **(3)**

HIST 3000 - Special Topics in History

Topics selected for special interests of students. Prerequisite: 3 credits of HIST. **(3)**

HIST 3001 - History of American Law

This course acquaints students with the historical context of the origins of American law, its evolution, and its application to human relationships and societal interactions. In particular, attempts will be made to analyze the pattern of American constitutional development and its relevance to the composition of our socioeconomic and political structure. Fulfills history major requirement for three upper-level credits of US History. Prerequisite(s): 3 credits of HIST. **(3)**

HIST 3010 - Women in International Contexts

(WMST 3010) A comparative exploration of women's history during the late nineteenth and early twentieth centuries. The course focuses in the similarities and differences between the experiences of women in different parts of the world, with a particular emphasis on personal narratives. Prerequisite: 3 credits of HIST. **(3)**

HIST 3011 - Twentieth Century European History

Focuses on major developments in twentieth century European history, including social, and political history, World War I, Russian Revolution, rise of totalitarian dictatorships, World War II, the Cold War, decolonization, collapse of

Communism and rise of the European Community. Fulfills history major requirement for three upper-level credits of European History. Prerequisite: 3 credits of HIST. **(3)**

HIST 3020 - History Internship

Hands on experience at an historical facility or with departmental oral history or research projects. Requires one hundred hours of work under supervision, a record of work experiences and a written analysis of the overall internship. Grades are on pass/fail basis. Prerequisite: 3 credits of HIST. **(3)**

HIST 3040 - History of Louisiana

Examines and interprets the colonial roots of Louisiana, the challenge of Louisiana for the young Republic of the U.S., immigration and the antebellum experience, the crises of the Civil War and Reconstruction, impact of Longism, the petrochemical revolution and contemporary Louisiana. Prerequisite: 3 credits of HIST. **(3)**

HIST 3050 - Gandhi and King: Nonviolent Philosophy of Conflict Resolution

(AADS 3050) This course examines the similarities and differences between Mahatma Gandhi and Martin Luther King, Jr. -- their leadership styles, personality traits, philosophical assumptions, the movements they led, and their tactics in particular campaigns. Prerequisite: 3 credits of HIST. **(3)**

HIST 3150 - Ancient Mediterranean

Explores the main historical developments of Mediterranean civilizations from their origins in the Bronze Age (ca. 2000 B.C.) through the decline of imperial Rome (ca. 400). Considers the mutual influence of civilizations of the Mediterranean littoral, cultural and political developments of Greece and Rome, and the rise of Christianity. Prerequisite: 3 credits of HIST. **(3)**

HIST 3190 - The History of Scientific Thought

(XCOR 3020). This course examines how different cultures and individuals have thought about science from the ancient world to the present. Emphasis will be placed on the history of inquiry about the natural world, although technological developments or "applied science" will also be explored. Course topics include mathematics, astronomy, and natural philosophy in the ancient world, attitudes towards science in the Christian and Islamic Middle Ages, the early modern "Scientific Revolution," and the rapid evolution of scientific ideas in recent centuries, especially in the realms of modern physics, cosmology, chemistry, and genetics. **(3)**

HIST 3220 - World Wars and Dictatorships in European History

Causes and consequences of World War I. The inter-war years. Rise of communist and fascist dictatorships. World War II. Prerequisite: 3 credits of HIST. **(3)**

HIST 3350 - African American History I

(AADS 3350) Chronological and in-depth study of specific issues affecting African Americans from their West African beginnings to Civil War. Major themes to be announced each semester. Prerequisite: 3 credits of HIST. **(3, EXPLORATIONS/African American Heritage & Legacies, EXPLORATIONS/Human Past, Fa)**

HIST 3360 - African American History II

(AADS 3360) Continuation of topical survey of main currents in African American life from the Civil War to the present. Major themes to be announced each semester. Prerequisite: 3 credits of HIST. **(3, Sp)**

HIST 3380 - United States History Since 1945

Examines U.S. history from the end of World War II to the present. Emphasis is placed on politics, foreign policy, the modern civil rights movement, and the primary social and cultural events of the period. Prerequisite: 3 credits of HIST. **(3)**

HIST 3385 - The Civil Rights Movement in the United States

(AADS 3385, DGHU 3385, and XCOR 3010) Examines the major civil rights campaigns that took place throughout the U.S. from 1950 to1975. Focuses on strategies, objectives, successes and failures of civil rights leaders and organizations. Special emphasis on civil rights protests and movements in New Orleans and throughout Louisiana. Prerequisite: 3 credits of HIST. **(3, EXPLORATIONS/African American Heritage and Legacies)**

HIST 3390 - African American Women's History

(WMST 3390, AADS 3390) Examines the unique historical experiences of women of African descent in the United States from the colonial era to the present. Focuses on black women's contributions to American society and the impact of race, class and gender issues on the experiences of African American women. Prerequisite: 3 credits of HIST. **(3)**

HIST 3610 - History of Popular Culture in Africa

(AADS 3610 and XCOR 3020) This course examines the historical development of diverse forms of African popular culture - including music, dance, film, literature, and visual arts - and their connections with local and global processes of cultural production and consumption. The History of Popular Culture in Africa traces the development of popular culture genres in Africa from the late 19th century to the present. Prerequisite: 3 credits of HIST. **(3)**

HIST 3670 - Topics in African History

Introduction to major themes, narratives, geographies and chronologies of African history from its earliest period to the present, and the ways this history has been recorded by Africans and non-Africans. Topics vary from term to term, with an emphasis on the skills of historical thinking, analysis of evidence and critical thinking and writing. Prerequisite: 3 credits of HIST. **(3)**

HIST 3675 - The Black Atlantic World

(AADS 3675) Links together the histories of Africa, Europe, North America and South America by emphasizing the activities of Africans and men and women of the African Diaspora. Topics include: Slavery and the slave trade in Africa and the New World, African and Western religions, Revolutions in the West Indies and Africa, European and American imperialism, Neo-colonialism, and Music and Literature. Prerequisite: 3 credits of HIST. **(3)**

HIST 3700 - Caribbean History and Roots

(AADS 3700, XCOR 3010) This course will address the history of culture in the Circum-Caribbean, including New Orleans. Specifically, it will focus on the processes of colonialism and creolization, understanding how the peoples of the region over time created and maintained cultural practices through food, music and festival that are at once unique and shared. Prerequisite: 3 credits of HIST. **(3)**

HIST 3800 - Race in the Americas

(AADS 3800, XCOR 3020) This course looks at the formation of race as an historical construct in North and South America, as well as Mexico and the Caribbean. Central themes include European-Native American contact and colonialism; slavery and freedom; immigration and nationalism; racial mixture and sexuality; poverty, labor, and class struggles. Prerequisite: 3 credits of HIST. **(3)**

HIST 3830 - Revolutions in Modern History

(XCOR 3020) A study of major revolutions which have shaped the modern world. Causes, intellectual foundations, and consequences. Selected from among American, French, Russian, Chinese and Latin American Revolutions. Prerequisite: 3 credits of HIST. **(3)**

HIST 4020S - Seminar in the Developing World

In-depth study of a particular region, nation, historical period or topic of the Developing World. Prerequisite: 9 credits of HIST. **(3)**

HIST 4030S - Seminar in American History

In-depth study of a particular region, nation, historical period or topic in American History. Prerequisite: 9 credits of HIST. **(3)**

HIST 4040S - Seminar in European History

In-depth study of a particular region, nation, historical period or topic in European History. Prerequisite: 9 credits of HIST. **(3)**

HIST 4415S - Seminar in Historical Research

A practical introduction to investigative training in historical research and historiography. Emphasis is placed on such research techniques and principles as topic selection and location, analysis, and verification of data. A substantial research project is required. Prerequisite: 9 credits of HIST. **(3)**

HIST 4501 - Directed Readings in History

Readings in an area of history mutually agreed upon by instructor and student which is not covered by a current course. Prerequisite: Consent of instructor and department head. Prerequisite: 9 credits of HIST. **(1)**

HIST 4502 - Directed Readings in History

Readings in an area of history mutually agreed upon by instructor and student which is not covered by a current course. Prerequisite: Consent of instructor and department head. Prerequisite: 9 credits of HIST. **(2)**

HIST 4503 - Directed Readings in History

Readings in an area of history mutually agreed upon by instructor and student which is not covered by a current course. Prerequisite: Consent of instructor and department head. Prerequisite: 9 credits of HIST. **(3)**

HIST 4999 - Senior Capstone

(0, ENGAGEMENTS/Senior Capstone)

Institute For Black Catholic Studies

IBTH 5010 - Black Approaches to Theology

Stresses the nature, methods and sources of Black Theology, the reasons justifying its existence and its relationship to other theologies within the Catholic tradition. (Required for all new students). **(3)**

IBTH 5020 - History of Black Catholicism

The role played by Blacks in Catholicism from the beginning of the Church, with special emphasis on the relationship of Blacks in American Catholicism. (Core course). **(3)**

IBTH 5025 - Black Saints

African and African-American models of holiness in the Catholic Church. A historical approach to the traditions of holiness among Africans in the Early Church: martyrs and monks. The African saint in the African Diaspora: Southern Europe and Latin America. Sainthood and Slavery: The Man called All Saints and old New York. The holy women. Colonialism and sanctity: the case of Uganda. The significance of canonization and beatification process, heroic virtue, and holiness in the process of liberation. **(3)**

IBTH 5030 - Black Approach to Scripture

The Black culture and Scripture; themes from Scripture in the tradition of Black preaching and worship; similarity between the Biblical mentality and Black mentality; "problem texts." (Core course). **(3)**

IBTH 5040 - Black Religion and the Arts

This course will explore the use of Black (African, African American, Afro-Caribbean etc.) art in creating and developing liturgical expression consonant with black culture. (Core course). **(3)**

IBTH 5050 - Catechetics

Exposes students to contemporary catechetical theories, principles and practices relevant to faith formation in a diverse Church. Particular attention is given to the development of effective catechetical ministry with African-American adults, youth, and children in domestic, parish and school environments. **(3)**

IBTH 5060 - Black Psychology

Constructs for effective pastoral communication with Black congregations by reviewing major interpersonal, social, and systematic issues from a perspective based upon clinical aspects of cultural differences. (Core course). **(3)**

IBTH 5063 - Pastoral Counseling: Black Perspectives

The course provides a framework for understanding the reality of a person's being in the world. It has a three-fold focus: 1) to develop the pastoral identity of the counselor; 2) to engage in theological reflection on the pastoral counselor's relationship with persons whose heritage is African American or another culture; and 3) to enhance the practical skills for ministry to persons who are in crisis or experiencing problems in living. **(3)**

IBTH 5070 - Black Preaching I

The Black preaching tradition. This course includes both survey of the literature and practical exercises in preaching oriented toward a Black congregation. Prerequisite: Consent of Director. **(3)**

IBTH 5071 - Black Preaching II

This course will provide an overview of Black preaching exploring the meaning and significance of preaching and the role of the preacher as interpreter of the biblical text in the context of the Black experience. Students will outline, design, deliver, and critique their own sermons. **(3)**

IBTH 5080 - Black Approaches to Sacraments

Rituals and symbols in the African and Afro-American traditions and their relationship to the Seven Sacraments. **(3)**

IBTH 5081 - Christology

A study of the Kingdom of God as announced by Christ; the prayer of Jesus and His death and resurrection as understood by liberation and black theologies. (Area requirement). **(3)**

IBTH 5095 - Church: The Mission

This course will provide a critical exploration of the nature and mission of the Church as found in the Documents of Vatican II, as well as subsequent church documents and theological interpretations. Special emphasis will be placed on the implications of these understandings for the evangelization and social justice ministers of the Roman Catholic Church within and on behalf of the U.S. Black Community. **(3)**

IBTH 5100 - African, Black Theology, and Liberation Theologies

Similarities and differences found among these forms of articulation of the Christian mystery. Prerequisite: Consent of Director. **(3)**

IBTH 5110 - Black Philosophy

The African outlook on reality; similarities and differences from the philosophies of the West; implications for the understanding of Black religious experience. Prerequisite: Consent of Director. **(3)**

IBTH 5120 - Principles of Liturgy/Black Celebration

This course provides a survey of the history and principles of "African," "Black Church," and Roman Catholic liturgical celebrations. **(3)**

IBTH 5200 - History of the Black Church in the U.S.A.

Blacks in the Christian Churches from the 17th century to the present; the independent Black churches; Blacks and the Catholic Church; the Black Church's coming of age. **(3)**

IBTH 5210 - History of Black Religious Movements and Organization

Studies Blacks in the Christian Churches from the 17th century to the present; the independent Black church; Blacks and the Catholic Church; the Black Church coming of age. **(3)**

IBTH 5220 - History of Black Spirituality

An historical, anthropological, phenomenological, and theological study of the evolution of the core elements of the African American religious experience with emphasis on the retentions of Africanisms. **(3)**

IBTH 5224 - African Middle Ages

An historical survey of Africa from the end of the Roman Empire to the arrival of European explores and slave traders in the 16th century. Particular attention will be given to development of African Christianity in Egypt, Ethiopia, and Nubia. Also studied will be the effect of Islam on sub-Saharan Africa as well as the Maghreb; the relation between medieval Europe and the African states, particularly during the period of the Last Crusades. Some time will be devoted to the Black Empires of the West and the Arab colonization of the East. **(3)**

IBTH 5400 - Religion and Culture

This interdisciplinary course (sociology, anthropology and religion) will explore the way African and African American cultures [manner of using things, of laboring, of expressing oneself, of forming one customs, of establishing laws and juridical institutions of cultivating the science, the arts and beauty] influence Religious belief and customs influence contemporary African and African American culture. **(3)**

IBTH 5410 - Seminar: Black Literature and Religion

A postcolonial analysis of selected literary texts interpreting the African diaspora in the Americas combined with a history of religion approach to the study of black religion which takes into consideration the unique past experiences of the African American community as it underwent the terror of forced migration, slavery, segregation, and discrimination. **(3)**

IBTH 5420 - Seminar: Black Literary Criticism

Analysis and discussion of discourse written by African Americans during the formative years of this nation. Emphasizes literary discourse as a means of defining African American consciousness and community, and understanding how African Americans communities of origin shaped African-American discursive expression. **(3)**

IBTH 5425 - Slave Narratives

This course is designed with a premise that the original texts of African- American culture are the works known as "slave narratives." Hundreds of narratives were published between 1790 and 1940, in American and in other English-speaking countries. Within the extended documents (such as The Interesting Narrative of the Life of Olaudah Equiano or the Narrative on the Life of Frederick Douglass or Incidents in the Life of a Slave Girl, or Booker T. Washington's Up From Slavery) or the brief, fragmentary accounts found in John Blassingame's Slave Testimony, or George Rawick's edition of slave narratives collected in the 1930's, the building blocks of African-American culture are found in these testaments. (Area requirement). **(3)**

IBTH 5430 - Spirituality of Black Literature

Uses selected works of Black American literature as a resource for study of the spirituality of a people to understand and articulate the spirituality expressed in the works, songs, prayers, relationships and daily lives of Black people. (Area requirement). **(3)**

IBTH 5440 - The Spirituals

Studies a broad range of the black sacred songs known as The Spirituals. Focus is placed upon a study of their origins, meanings, and purposes. Emphasis is also given to understanding their importance in the foundation of African American culture and Christianity; and their possible uses in Catholic worship, catechesis, and pastoral ministry. (Area requirement). **(3)**

IBTH 5445 - Black Religious Music

Surveys the history and development of aesthetic expression of African Americans in music; emphasizes slave moans, chants; the Spirituals; blues; classic gospel; and contemporary gospel. **(3)**

IBTH 5450 - Liturgical Planning and Development

This is an advanced, graduate-level course examining the theological foundations of Catholic liturgy, as well as pastoral approaches to planning and fostering good liturgical celebration in and for Black Catholics. The course will explore the nature of worship, African and Black Catholic liturgical tradition and its influence on Christian worship, an historical understanding of African and Black Catholic liturgy, and the planning of liturgical celebration. **(3)**

IBTH 5600 - Moral Questions in the Black Community

Establishes a dialogue between African American and Roman Catholic approaches to ethical issues, focusing on matters of particular concern to African Americans. **(3)**

IBTH 5620 - Urban Education in the Black Community

This course will explore definitions of urban education and the issues and challenges of schools within urban communities. Public, private, parochial, and independent schools will provide a broad analysis of educational settings. Institutional and social conditions that challenge urban schools will be explored in order to define the barriers and determine strategies for change and transformation of urban education. **(3)**

IBTH 5625 - Catholic Education in the Black Community

The importance of education to the Black community and the role of the Church-related school. **(3)**

IBTH 5640 - Leadership Styles of Ministry

Ministry in the Black community: similarities and differences with the White community, especially in: congregational responsibility, participation, and leadership. **(3)**

IBTH 5660 - Issues in Black Family

The Black family, its strengths and weakness; stability and instability in marriage; role of the minister and of the community in developing and maintaining support systems. **(3)**

IBTH 5664 - Leadership Styles in Ministry

Explores ministry in the Black community, including similarities and differences with the white community, especially regarding issues of congregational responsibility, participation and leadership. **(3)**

IBTH 5665 - Issues in the Black Family

This course investigates the myths, realities, facts, strength, and weaknesses of the African American Community in a way that will assist those who minister in the Black Community. Various structures and forms of African American family life are studied to learn how these forms affect ministry in the community and in the church. **(3)**

IBTH 5669 - Black Youth Ministry

This course will focus on the issues confronting those engaged in pastoral ministry with the young, especially as youth face complex crises of survival, loss of faith, alienation, and other cultural conflicts. **(3)**

IBTH 5670 - Spiritual Direction/Formation

Students learn the process of group spiritual direction. Students experience receiving group spiritual direction from the instructor and peers, as they further cultivate sensitivities both in offering their journey for the consideration of others and in convening group spiritual direction with peers. **(3)**

IBTH 5700 - Major Themes in Black Religious Experience

Utilizing various methods, including phenomenology and historical method, this course offers an interdisciplinary inquiry into the religious experience. Drawing on traditional African religions, the emergence of "slave" religion, conversion narratives, and spirituals, the course defines and establishes religious experience as the ground of spirituality. **(3)**

IBTH 5710 - Black Spirituality

Black spirituality is rooted in the history and experience of African American peoples in the United States. This course will engage students in a critical examination of the roots, development and characteristics of the spirituality of Black peoples in the United States as well as a participative experience of Black spirituality as found in the religious expression of the community. **(3)**

IBTH 5997 - Integrative Colloquium

Helps students in the third or fourth summer of study to enter more deeply into the habitus of pastoral theology, that is, a way of thinking, reflecting, conversing, and writing about questions and issues that emerge from their ministry and ministerial research. The Colloquium provides students with structured and interdisciplinary engagement and opportunities for refining research, theological analysis and reflection, and writing. Specifically, the Colloquium assists students to meet the goal of preparing successful drafts of (a) the major theological research paper and (b) the Practicum proposal. **(3)**

IBTH 5998 - Directed Readings

Directed Reading Courses are advanced reading in a track concentration area or a course area that allow degree students with structured opportunity for supervised reading, research, and writing in selected scholarly areas that comprise the curriculum of the IBCS. **(3)**

IBTH 5999 - Qualifying Examination

This examination serves as an opportunity for a detailed review of the material encountered in those courses designated as the Core and Area requirements. A student is required to take the examination on any three of the six Core courses. **(0)**

IBTH 6000 - Practicum

The Practicum consists of supervised project in the Black community for a specific number of weeks or an historical project. The Practicum is designed to develop pastoral program models (or engage in research projects) that will have applicable benefits in the larger community. Ordinarily the student's research thesis (major research paper) should be completed prior to the practicum (praxis) since it should provide the interdisciplinary theological (theoretical) foundation for the program model. The practicum and thesis must be evaluated prior to the student's admission to the oral comprehensive examination. **(6)**

IBTH 7000 - Comprehensive Examination

(0)

IBTH 8000 - Pastoral Leadership in Black Catholic & Multicultural Parishes

This one week seminar for cross-cultural and indigenous priests and pastors explores theological and practical pastoral issues that arise in the dynamics of the pastor's role in Black or multicultural Catholic parishes. The Institute and this course are ideal contexts for missionaries, cross-cultural priests and indigenous pastors to explore the historical and cultural realities of Black Catholics in the United States and to plan effective pastoral strategies. **(1)**

Integrated Physical Science

IPSC 2010 - Integrated Physical Science

Introduction to the basic concepts and principles of physics, chemistry, and atomic structure. Includes one laboratory session per week. **(4, EXPLORATIONS/Scientific Reasoning)**

IPSC 2020 - Earth Science

Survey of sciences related to our planet dealing with principles of astronomy, geology, meteorology, and environmental sciences. Includes one laboratory session per week. **(3)**

IPSC 4010 - Advanced Earth Science

Follows guidelines specified by the Global Learning and Observations to Benefit the Environment (GLOBE) Program to obtain certification to teach the GLOBE Program, which is a hands-on, experiential science program for grades K-12. Contents of the GLOBE Program will be related to the National Science Standards and the State Science Benchmarks. Four major areas are covered: atmosphere/climate, hydrology, soils, and land cover/biology. Prerequisite(s) for Elementary Education majors: IPSC 2010 and IPSC 2020. **(3)**

Jazz Studies

JAZZ 3000 - Jazz Improvisation I

This course is designed to introduce Jazz Improvisation based on theoretical concepts and aural applications used in beginning Jazz Improvisation. Emphasis will focus on the listening aspects, devices used and transcription of early to modern Jazz solos performed by Jazz Masters. Transcriptions of improvised solos are a requirement for aural growth and development. Prerequisite(s): A grade of a B or better is required in MUST 1030, MUST 1030L, MUST 1040, MUST 1040L, MUST 2030, MUST 2030L, MUST 2040, and MUST 2040L. **(3)**

JAZZ 3100 - Jazz Improvisation II

This is designed to introduce Modern Jazz Improvisation based on theoretical concepts and aural applications used in Bebop and Fusion Jazz improvisation. Emphasis will focus on the listening aspects, musical and theoretical devices used and transcriptions of modern Jazz to contemporary Jazz solos performed by Jazz Masters. Transcriptions of improvised solos are a requirement of aural growth and development. Prerequisite(s): A grade of a B or better is required in MUST 1030, MUST 1030L, MUST 1040, MUST 1040L, MUST 2030, MUST 2030L, MUST 2040, and MUST 2040L. **(3)**

JAZZ 3300 - Jazz Piano I

This course is designed to introduce fundamental concepts concerning technique, accompanying, chord voicings and basic Jazz Piano performance practices. The course is also designed to understand various types of chords, scales and modes to be used for Jazz accompanying and improvisation. **(3)**

JAZZ 3350 - Jazz Piano II

This course is designed to continue mastering fundamental concepts and to introduce advanced concepts concerning technique, accompanying, chord voicings and primary Jazz Piano performance practices. The course is also designed to understand various types of chords, scales, modes and devices used in advanced Jazz accompanying and improvisation. **(3)**

JAZZ 3400 - Jazz Theory I (Composition and Arranging) Small Ensemble

This course is designed to introduce theoretical concepts as they apply to Jazz composition and arranging for the small ensemble. Emphasis will focus on melodic/harmonic construction, form analysis and design, and creative composition as it applies to the small Jazz ensemble or combo. Standard Jazz compositions will be used as examples to examine form, melody, harmony, rhythm and creative writing. Prerequisite(s): A grade of a B or better is required in MUST 1030, MUST 1030L, MUST 1040, MUST 1040L, MUST 2030, MUST 2030L, MUST 2040, and MUST 2040L. **(3)**

JAZZ 3450 - Jazz Theory II (Composition and Arranging) Large Ensemble

This course is designed to introduce theoretical concepts as they apply to Jazz composition and arranging. Emphasis will focus on melodic/harmonic construction, form analysis and design, and creative composition as it applies to the large Jazz ensemble or orchestra. Standard Jazz compositions will be used as examples to examine form, melody, harmony, rhythm and creative writing. Prerequisite(s): A grade of a B or better is required in MUST 1030, MUST 1030L, MUST 1040, MUST 1040L, MUST 2030, MUST 2030L, MUST 2040, and MUST 2040L. **(3)**

JAZZ 4000 - Modern and Popular American Music History

This course is designed to introduce historical aspects and the development of modern and popular American music. Great emphasis is placed on historical accounts, popular perceptions, attitudes and misconceptions of the music. **(3)**

JAZZ 4100 - Jazz Ensemble Performance Practices & Techniques

This course is designed to introduce stylistic nuances, ensemble phrasing, and articulations as they apply to the ensemble in the Jazz idiom. Great emphasis is placed on historical accounts, theoretical approaches and performance practices for the Traditional Jazz Band, Modern Jazz Combo and the Jazz Orchestra. **(3)**

Languages

LANG 4053 - Introduction to Literary Criticism of Spanish, Spanish American, French, and Francophone Literature

(FREN 4053, SPAN 4053) This course is a capstone course designed for the upper-level students majoring in either French or Spanish. Through readings of both critical texts and literary works, students develop a comprehension of the relationships among history, culture, ideology, and literary production. Students read the literary works under study in their target languages. Discussion is in English in order to accommodate majors from both languages. **(3)**

LANG 4080 - Foreign Language Teaching Methodology

(FREN 4080, SPAN 4080) An examination of conventional methodologies of teaching foreign languages. This presentation will be directed to both primary and secondary levels and will include the following topics, among others: analysis of the theoretical premises upon which each method is founded; critical assessment of the strengths and limitations of each method; demonstration of classroom techniques derived from the various methods; discussion of the proficiency orientation contained in each method; and analysis of current textbooks and materials with discussion of how they reflect the theories under study. The practical component of the course will be integrated through demonstrations of teaching techniques, peer teaching, class observations, and hands-on activities. **(3)**

Latin

LATN 1010 - Elementary Latin

Grammar, basic vocabulary, graded readings. **(3, Fa)**

LATN 1020 - Elementary Latin

Grammar, basic vocabulary, graded readings. Prerequisite(s): LATN 1010 or permission of instructor. **(3, Sp)**

LATN 2010 - Intermediate Latin

Review of grammar and additional reading. Selections from ancient authors. Prerequisite(s): LATN 1020 or permission of instructor. **(3, Fa)**

LATN 2020 - Intermediate Latin

Review of grammar and additional reading. Selections from ancient authors. Prerequisite(s): LATN 2010 or permission of instructor. **(3, Sp)**

Management

The Fall (Fa), Spring (Sp), or Summer (Su) semesters indicated are expected but are not guaranteed.

MGMT 2060 - Principles of Management

An integrated overview of the fundamentals of managerial decision making with a focus on developing the skills necessary to identify problems that confront managers who then must apply the necessary tools (both analytical and intuitive) to foment solutions that coalesce with the firm's goals and objectives. Topics include the importance of teamwork, motivation, leadership, and ethics. **(3, FaSpSu)**

MGMT 3090 - Customer Relationship Management

(SMKT 3090) The course will help students identify actions that businesses use to categorize and address customers effectively through the use of information and technology. This will also help students learn the benefits of knowing customers more intimately and show them how information can be used to increase revenues, satisfaction, and profitability. Prerequisite(s): SMKT 2050 **(3, Sp)**

MGMT 3100 - Corporate Social Responsibility and Sustainability

(XCOR 3010) This course focuses on the concept of Corporate Social Responsibility and Sustainability (CSRS) as it relates to organizations in the domestic and international domain. The course takes an interdisciplinary approach to CSRS, and considers the historical, philosophical, strategic, political, environmental, psychological and global underpinnings of this phenomenon. Students will be introduced to its history and evolution, the diverse approaches to its conceptualization and application, its relationship to traditional financial performance measures, its implications for functional and stakeholder groups and its global effect and reach. Prerequisite(s): Open to juniors and seniors only or permission of the instructor. **(3, Fa)**

MGMT 3120 - Human Resource Management

Analyzes the "people" problems of management, job analysis, planning, recruiting, selection, training and development, performance evaluation, wage and salary administration, incentive systems, benefit programs. Prerequisite(s): MGMT 2060 **(3, Fa)**

MGMT 3140 - Organizational Behavior

An experiential approach to learning individual and group behaviors within organizational contexts. Includes both traditional and cutting-edge approaches to behavior in post-modern organizations. Prerequisite(s): MGMT 2060 **(3, Fa)**

MGMT 3160 - Project Management

The course is organized around teaching the technical aspect of project management, rather than focusing on the theoretical aspects of management. This course will have an enhanced focus on the use of project management application software and a focus on finding a "real-world" project on which students can gain hands-on experience. Topics covered will include project planning, budgeting, scheduling, monitoring, and controlling. Prerequisite(s): MGMT 2060 and ECON 2070 **(3, Sp)**

MGMT 3170 - Service Operations Management

The service sector has become the fastest growing industry sector, on a global basis. Some of the topics covered in the course are yield management, data envelopment analysis, experience management, and scoring systems that are used nearly exclusively in services. This course is intended to focus on these areas and to assist in skill/application building for students pursuing careers in the service sector. Prerequisite(s): MGMT 2060 and ECON 2070 **(3, Sp)**

MGMT 3180 - Leadership for the 21st Century

This course gives students an applied and comprehensive view of the leadership experience in the 21st Century. It integrates recent ideas and applications with established research. It covers the history of leadership studies and the traditional theories, but goes beyond that to incorporate valuable ideas such as leadership and the "new science," leadership vision, leading a learning organization, and shaping culture and values. It offers students significant potential for selfassessment, leadership development, and career exploration. Through a required partnership with XULA's Career Services, students will identify internships in their selected pathway, create or update their resume, and conduct mock interviews to prepare them for the next steps in their path towards lifelong learning. Prerequisite(s): Junior status required **(3)**

MGMT 3190 - Operations Management

A study of the problems encountered in operations and production with emphasis on product decisions, process planning, network planning, plant location, facilities acquisition and layout. Prerequisite(s): MGMT 2060 and ECON 2070 **(3, Fa)**

MGMT 3530 - Sales Force Management

(SMKT 3530) Organization, communications process, group influences, forecasting, recruiting, training, design, motivation, supervision, compensation, control of sales organizations. Prerequisite(s): SMKT 2050 **(3, Fa)**

MGMT 3780 - Organization and Operation of a Small Business

(ENTR 3780) An examination of methods that investigate the complexity of management practices in general entrepreneurship with a perspective that can explore the marketplace for successful venture opportunities. Strong emphasis is given to learning the skill factors related to planning, marketing, managing, and financing small business ventures. A two- to five-member team working with a local area entrepreneurial client will develop a comprehensive consulting report including a full business plan. Prerequisite(s): Open to juniors and seniors only or permission of the instructor. **(3, Fa)**

MGMT 4999 - Senior Comprehensives.

(BSAD 4999) Prerequisites: senior standing. **(0, FaSp)**

Mass Communication

MSCM 1100 - Introduction to Mass Communication

Examination of the structure, functions, and theories of mass media in contemporary society. Students are familiarized with the social, economic, and political aspects of the radio, television, book, newspaper, public relations, magazine, film, and record industries. **(3, EXPLORATIONS/Human Behavior)**

MSCM 1300 - Sports Broadcasting I - Beginning

This course is an introductory course in the theory, art, and technology of creating, preparing, and producing sports broadcast. Another component of this course concentrates on fundamental logistics and execution of remote broadcasts and develops sports-casting delivery. Students will have the opportunity to work with the University student sports broadcasting outlets in basic roles such as: camera operator, instant replay operator, game day runner, and occasional announcer. (3-credit-hour combination of lecture and live production experience). Co-requisite: MSCM 1100 or permission of instructor. **(3)**

MSCM 2009 - Practicum

A course for students working on the production of student media content programs for air on XTV. Students will get practical experience to reinforce classroom learning while serving on the crew or as hosts, writers, producers, or directors for these university programs. (Note: Not more than 3 hours of multimedia/public relations/strategic communications practicum may be taken.) **(1)**

MSCM 2030 - Principles of Strategic Communication

Examination of the theory of public relations and its relationship to work in the field as practiced by professionals. The course will provide students with a solid foundation in the practice of public relations. **(3)**

MSCM 2222 - Introduction to Converged Media Writing.

An introduction to basic writing styles pertaining to broadcasting, print, public relations and online media. This course places heavy emphasis on grammar, sentence structure, vocabulary, clarity, style and logic as applied to the writing for news media. Processes, procedures and skills of information gathering and writing are explored in preparing material for the new media environment. Co-requisite: ENGL 1010 and ENGL 1020 or the permission of the instructor. **(3)**

MSCM 2300 - Sports Broadcasting II-Advanced

This course is an advanced course in the theory, art, and technology of creating, preparing, and producing sports broadcast and associated sports programs and media products. Students will have the opportunity to work in the management and presentation of sports products such as: Reporter, blogger, show host, interviewer, writer, editor, producer and director. (3-credit-hour combination of lecture and live production experience) Prerequisite: MSCM 1300 or permission of instructor. **(3)**

MSCM 2400 - Social Media

The Social Media course teaches students about the evolution of social networks, its popularity among consumers and audiences, and its relevance to not only media industries but all organizations as they communicate to the public in a digital age. Students will also learn the effective use of social media and will consider the future of social media in today's society. Prerequisites: none **(3, EXPLORATIONS/Human Behavior)**

MSCM 2500 - Intermediate Converged Media Writing

An introduction to intermediate-level writing styles pertaining to broadcasting, print, public relations and online media. This course places heavy emphasis on grammar, sentence structure, vocabulary, clarity, style and logic as applied to the writing for news media. Processes, procedures and skills of information gathering and writing are explored in preparing material for the new media environment.. Co-requisite: ENGL 1010 and ENGL 1020 or the permission of the instructor. **(3)**

MSCM 2530 - Fundamentals of Audio Production

Orientation to capabilities and use of radio studio. Introduction to production of radio program type. Introduction to basic acoustics, radio board operation, commercial and dramatic production. Prerequisite MSCM 2500 **(3)**

MSCM 2540 - Storytelling Through Digital Editing

Advanced digital editing principles and techniques of storytelling using professional software. Students will apply editing principles to create narrative projects, and develop and complete an original short video. Prerequisite: the permission of the instructor. **(3, EXPLORATIONS/Creative Expression and Engagement)**

MSCM 2580 - Film Appreciation

Film as art, industry and as social and cultural force. Emphasis on aesthetic appreciation, major historical developments, and impact of film on American culture. Course includes screening and analysis of several films. **(3, EXPLORATIONS/Creative Expression & Engagement)**

MSCM 2600 - Advanced Converged Media Writing

Comprehensive development of advanced writing, interviewing, and production skills in digital print, web, broadcast, strategic communication (advertising and public relations) formats that may include, but are not limited to, radio and television news stories, digital news stories, news releases, brochures, speeches, visual presentations, company publications, public relations and advertising copy writing and public service radio and television spots. Prerequisite: MSCM 2222 AND MSCM 2500. **(3)**

MSCM 2950 - Radio and Television Announcing

Theory and practice in on-air presence and in the use of the microphone with specific attention toward developing individual abilities in the announcing roles used in the electronic media. Scripted and unscripted delivery in a variety of broadcast situations will be emphasized. Prerequisite: MSCM 2500 or permission of instructor. **(3)**

MSCM 3009 - Practicum

A course for students working on the production of student television programs for air on XTV. Students will get practical experience to reinforce classroom learning while serving on the crew or as hosts, writers, producers, or directors for these university programs. (Note: Not more than 3 hours of newspaper/broadcast/public relations practicum may be taken.) **(1)**

MSCM 3060 - Strategic Communication Problems

Comprehensive survey of writing techniques for public relations and public affairs assignments: news releases, brochures, speeches, visual presentations, company publications, public relations and advertising copy writing and public service radio and television spots. Prerequisite: MSCM 2222 and MSCM 2030 **(3)**

MSCM 3190 - Fundamentals of Broadcasting

Orientation to basic television studio and field production skills including writing, producing, directing, and production crew responsibilities and technical skills. Students learn to blend theory and practice by producing and directing their own television programs. Two hours of lecture and two hours of lab per week. Prerequisites: MSCM 2500 or may be taken concurrently with permission of the instructor. **(3)**

MSCM 3210 - TV News Gathering and Reporting

Advanced reporting, interviewing, writing, and photography techniques for television news. This course explores the four components of the language of television as they apply in the preparation of television news stories. Students learn to work as reporter, photographer, and editor of these stories and explore the concept of visual essays. Prerequisite: MSCM 3190 **(3)**

MSCM 3333 - Women and Media

(WMST 3333) This course is developed to explore the media treatment and history of women as media makers. It serves as a foundation for critical inquiry as students explore the media created and mediated "body politic" of women of color. The course is an introduction to critical thinking about the unique experiences of women with respect to the construction of the media as it defines gender and the ways that the intersections of gender, race, ethnicity, politics, class, and sexuality shape their lives. **(3)**

MSCM 3500 - Media Criticism

Development and application of criteria for evaluating media products. Critical analysis of specific programs and articles. Students will present both oral and written critiques of media content and techniques. Prerequisite MSCM 3600 **(3)**

MSCM 3600 - Introduction to Mass Communication Research

Treatment of mass communication theory and processes in quantitative and qualitative research methodologies. Course includes analysis of complete research projects. Students are provided the opportunity to design and complete basic research projects. Prerequisite: MSCM 2222, MSCM 2500, lower level Philosophy, and lower level Theology. **(3)**

MSCM 3650 - Advanced Topics in the Media

The course examines a specific niche subject or expertise in the field of Mass Communication. Specific subject matter would be chosen by the course instructor. Prerequisite: Permission of the instructor. **(3)**

MSCM 3700 - Environmental Communications

Explores contemporary ecological issues and approaches. Stress on in-depth research and reporting on local environmental problems. **(3)**

MSCM 3831 - History of American Mass Media

Survey of cultural history of journalism from pre-colonial times to the present. Special examination of Black journalism history and impact of electronic technologies. Prerequisite MSCM 1100, MSCM 1200 **(3)**

MSCM 4009 - Practicum

A course for students working on the production of student television programs for air on XTV. Students will get practical experience to reinforce classroom learning while serving on the crew or as hosts, writers, producers, or directors for these university programs. (Note: Not more than 3 hours of newspaper/broadcast/public relations practicum may be taken.) **(3)**

MSCM 4010 - Producing Television Newscasts

Through hands-on experience, students learn to write, format and produce television newscasts. Students are expected to make critical decisions regarding newscast content, treatment and journalistic integrity while creating highly attractive and promotable newscasts under deadline. Prerequisites: MSCM 2500, MSCM 3210, and MSCM 3190, but MSCM 3210 may be taken concurrently with permission of the instructor. **(3)**

MSCM 4020 - Broadcast Programming and Production

Through practical exercises and hands-on experience, students learn the process of producing fictional television programs. Students are expected to take a one-half-hour television program idea (sitcom, drama, soap opera) from concept to final shooting schedule. This class emphasizes the business, management and marketing aspects of producing television programs as well as advanced production techniques required of fictional television both on location and in the studio. Prerequisites: MSCM 2500, MSCM 3210, and MSCM 3190, but MSCM 3210 may be taken concurrently with permission of the instructor. **(3)**

MSCM 4060 - Strategic Communication Campaigns

Study of cases in public relations. Features an in-depth workplace style experience in research, production, application and evaluation of a campaign. Prepares upper level students for professional collaborative working in agencies or organizations. Prerequisites: MSCM 2222, MSCM 2030, and MSCM 3060 **(3)**

MSCM 4131 - Independent Study

Opportunity for in-depth study or research in an area of interest in mass communication. Area of study to be determined by student in consultation with supervising instructor. Prerequisite: Permission of instructor. **(1)**

MSCM 4132 - Independent Study

Opportunity for in-depth study or research in an area of interest in mass communication. Area of study to be determined by student in consultation with supervising instructor. Prerequisite: Permission of instructor. **(2)**

MSCM 4133 - Independent Study

Opportunity for in-depth study or research in an area of interest in mass communication. Area of study to be determined by student in consultation with supervising instructor. Prerequisite: Permission of instructor. **(3)**

MSCM 4200 - Advanced Strategic Communications

The distinction between public relations, marketing and advertising are converging into the growing emphasis of integrated communications. Integrated Communications in Public Relations (ICPR) is a strategy employed by communications professionals to coordinate and combine messages in order to maximize their impact and promote products, causes or ideas. This course offers an exploratory introduction into integrated communications, highlighting the core disciplines of public relations, advertising, and marketing. The ICPR model is based in the strategic management of organizational communication and promotional opportunities. Prerequisites: MSCM 2222, MSCM 2030, and permission of the instructor. **(3)**

MSCM 4410 - Internship

Hands-on experience provided to students at a communications facility. Professional training experience furnished in media organization, operation, and team effort. One (1) credit internships are available and all internship course credits

must be arranged with the Internship coordinator. Prerequisites: Junior or senior status with minimum of 18 hours of MSCM courses or permission of instructor. **(3)**

MSCM 4430 - Media Law and Ethics

Review of landmark cases in media law, especially First Amendment issues. Case studies of ethical theory and problems in communication practice. Prerequisite MSCM 1200 , MSCM 3500 **(3)**

MSCM 4520 - Seminar in Mass Communication

In-depth study through lecture, discussion, and research of an individual problem or issue in the field of mass communication. Specific subject matter will be chosen by instructor. Prerequisite: Permission of instructor. **(3)**

MSCM 4999 - Senior Comprehensives

(0, ENGAGEMENTS/Senior Capstone)

Mathematics

MATH 0990D - Preparation for College Mathematics

Signed numbers, fractions, decimals, percentages; linear equations and inequalities, geometric problems involving area and perimeter of basic figures; operations with algebraic expressions; polynomials, simultaneous equations, factoring, radical expressions; operations with complex numbers; quadratic equations; graphing and basic Cartesian geometry. Students will be placed in this course based on their XMPT score. Students completing this course will be eligible to enroll in any first year degree credit math course. A grade of "FE" may be applied for students who are absent four or more times in this course. Corequisite(s): MATH 0990L **(Non-degree credit, 4)**

MATH 0990L - Preparation for College Mathematics Drill

Signed numbers, fractions, decimals, percentages; linear equations and inequalities, geometric problems involving area and perimeter of basic figures; operations with algebraic expressions; polynomials, simultaneous equations, factoring, radical expressions; operations with complex numbers; quadratic equations; graphing and basic Cartesian geometry. Meet once per week. A grade of "FE" may be applied for students who are absent four or more times in this course. Corequisite(s): MATH 0990D. **(Non-degree credit, 0)**

MATH 1010 - Principles of Modern Mathematics

Survey of mathematics: topics in college algebra, elementary set theory, elementary number theory, geometry, matrices and their basic operations for non-technical majors. Prerequisite(s): Completion of all developmental mathematics deficiencies. **(3, FOUNDATIONS/Quantitative Reasoning)**

MATH 1015 - College Algebra for Elementary Education Majors

Algebra of elementary functions and relations to their graphs. Applications and the use of technology are incorporated in this course. Prerequisite(s): Completion of all developmental mathematics deficiencies. **(3, FOUNDATIONS/Quantitative Reasoning)**

MATH 1020 - Basic Statistics I

(STAT 2010) Descriptive statistics, probability and statistical inference. Students may not receive credit for both MATH 1020 (STAT 2010) and ECON 2070. Prerequisite(s): Completion of all developmental math requirements, if needed. **(3, FOUNDATIONS/Quantitative Reasoning)**

MATH 1030 - Pre-Calculus

Unified college algebra and trigonometry. Elementary functions and relations with their graphs. Prerequisite(s): Completion of all developmental mathematics deficiencies. **(4, FOUNDATIONS/Quantitative Reasoning)**

MATH 1030I - Intensive Pre-Calculus

Unified college algebra and trigonometry. Elementary functions and relations with their graphs. Math 1030I covers the same content as MATH 1030, but it meets 6 hours per week. Prerequisite(s): completion of all developmental math deficiencies, or adequate score on the XMPT. **(4, FOUNDATIONS/Quantitative Reasoning)**

MATH 1070 - Introductory Calculus

The derivative and integral with their principal interpretations and interrelationships; simple techniques of differentiation and integration; numerical integration; applications of differentiation and integration. The use of technology is integrated in this course. Prerequisite(s): Grade of "C" or better in MATH 1030 or in MATH 1030I or advanced placement by test score or permission of department head. **(4, FOUNDATIONS/Quantitative Reasoning)**

MATH 1070H - Introductory Calculus Honors

Open to selected students only. Students must complete all work in MATH 1070 concurrently and participate in 10 additional meetings in the semester. Prerequisite(s): Grade of "A" in MATH 1030 or in MATH 1030I or advanced placement by test score or permission of department head. **(4, FOUNDATIONS/Quantitative Reasoning)**

MATH 2015 - Geometry for Elementary Education Majors

Understanding and applying geometric relationships and problem solving in two and three dimensions. Prerequisite(s): Grade of "C" or better in MATH 1015 or in MATH 1030 or in MATH 1030I. **(3)**

MATH 2020 - Mathematical Modeling in Life Sciences

Introduction to mathematical models and techniques in life sciences including topics in population biology and epidemiology, cell division, bacterial growth in a chemostat, host-parasitoid systems, and predator-prey systems. The mathematical topics include linear and nonlinear difference equations, in particular the logistic equation, continuous processes described by ordinary differential equations, stability considerations including chaos (for both discrete and continuous models). Use of the technology is integrated in the course. Prerequisite(s): grade C or higher in MATH 1070/MATH 1070H **(3)**

MATH 2025 - Finite Mathematics for Elementary Education Majors

Elementary sets and operations, introduction to combinatorics, elementary graph theory, solving systems of linear equations, introduction to matrices, linear programming, and applications. Prerequisite(s): Grade of "C" or better in MATH 1015 or in MATH 1030 or in MATH 1030I **(3)**

MATH 2030 - Elementary Linear Algebra

Systems of equations, matrices, determinants, vector spaces, eigenvalues, linear mappings, etc. Prerequisite(s): Grade of "C" or better in MATH 1030 or MATH 1030I. Corequisite(s): MATH 1070/MATH 1070H. **(3)**

MATH 2070 - Calculus II

Continuation of techniques of integration; applications; improper integrals; infinite series. Topics in analytic geometry; polar coordinates and parametric equations. The use of technology is integrated in this course. Prerequisite(s): Grade of "C" or better in MATH 1070/MATH 1070H. **(4)**

MATH 2070H - Calculus II Honors

Open to selected students only. Students must complete all work in MATH 2070 concurrently and participate in 10 additional meetings in the semester. Prerequisite(s): Grade of "A" in MATH 1070/MATH 1070H or advanced placement by test score or permission of department head. **(4)**

MATH 2080 - Calculus III

Geometry of three dimensions; real-valued functions of several variables; partial differentiation; multiple integration; Vector analysis; line integrals and surface integrals. The use of technology is integrated in this course. Prerequisite(s): Grade of "C" or better in MATH 2070/MATH 2070H. **(4)**

MATH 2510 - Computational Science & Engineering

PHYS 2510 Introduction in the use of numerical modeling techniques for solving problems in physics, chemistry, and biology. Initially students will be instructed on the use of numerical modeling software MATLAB and then topics within different fields will be used as a context for learning and applying numerical techniques to solve complex systems problems. The Course will cover simple but fundamental aspects of computer simulations with application to selected physical systems. The focus will be on the strategy for the solution of numerical problems, their computer implementation and analysis of the results. The course will have two lectures and one lab every week. No prior programming experience is required. *Prerequisite(s): MATH 1070* **(3)**

MATH 2530 - Differential Equations

Usual methods of solving ordinary differential equations; introduction to the general theory. Prerequisite(s): Grade of "C" or better in MATH 2070/MATH 2070H **(3)**

MATH 2550 - Discrete Structures for Computer Science and Mathematics I

Symbolic logic is utilized to develop the skill of theorem proving using: mathematical induction, recurrence relations, computer program correctness, set theory, and introduction to networks/graphs. Prerequisite(s): Grade of "C" or better in PHIL 2040 and MATH 1070/MATH 1070H **(3)**

MATH 2560 - Discrete Structures for Computer Science and Mathematics II

Symbolic logic is utilized to develop the skill of theorem proving using: relations, functions, injections, surjections, images and inverse images, cardinality, introduction to algebraic structures. Prerequisite(s): Grade of "C" or better in MATH 2550 **(3)**

MATH 2570 - Combinatorics and Graph Theory

This course introduces the concept of a combinatorial proof and its application to concepts such as counting principles, relations, and the principle of inclusion and exclusion. The course also introduces graphs and covers concepts such as planarity, coloring theory, matching theory, and network flows. Prerequisite(s): Grade of "C" or better in MATH 2550 or permission of instructor. **(3)**

MATH 2580 - Mathematics of Cybersecurity

Review of Principle of Mathematical Induction, Prime numbers, Permutations and Combinations, and Matrix Algebra. Division Algorithm, Modular arithmetic, Congruences, Monoalphabetic Substitution Ciphers, Polyalphabetic Substitution Ciphers, Polygraphic Substitution Ciphers, Public Key Cryptography. Prerequisite(s): MATH 2030, MATH 2550 or permission of the Instructor. **(3)**

MATH 3030 - Introduction to Operations Research

An overview of operations research, the methodology of mathematical modeling, scientific methodology, linear programming; the graphical, algebraic, and simplex solutions; duality, sensitivity analysis and applications; integer programming and solutions; networks. Prerequisite(s): Grade of "C" or better in both MATH 2030 and MATH 2550 or permission of department head. **(3)**

MATH 3040 - Numerical Analysis

Methods of numerical computation. Error analysis, solutions of equations, interpolation and polynomial approximation, least squares approximation, numerical differentiation and integration, numerical solution to differential equations. Prerequisite(s): Grade of "C" or better in MATH 2080 and working knowledge of some programming language. Corequisite(s): MATH 2530 **(3)**

MATH 3050 - Introduction to Number Theory

Topics in number theory including divisibility theory in the integers, primes and their distributions, the theory of congruences, Fermat's Theorem, number theoretic functions, Euler's generalization of Fermat's Theorem, primitive roots and indices, perfect numbers, and the Fermat Conjecture. Prerequisite(s): MATH 2550 **(3)**

MATH 3110 - Applied Mathematics

Applications of different topics in mathematics with emphasis on modeling techniques. Prerequisite(s): Grade of "C" or better in MATH 2030 or permission of the instructor. **(3)**

MATH 3530 - Difference Equations

Topics include dynamics of first order difference equations (equilibria, stability, periodicity, bifurcations), higher order linear difference equations, systems of difference equations and their stability, dynamics of higher order scalar difference equations, Z-transform. Prerequisite(s): grade "C" or higher in MATH 2030, MATH 2070/MATH 2070H, MATH 2530, MATH 2550 or permission of the instructor. **(3)**

MATH 3750 - Complex Variables and Applications

Theory and application of complex numbers, complex mappings, analytic and holomorphic functions. Prerequisite(s): MATH 2080 with a grade of "C" or better. **(3)**

MATH 4002 - Mathematical Problem Solving II

Helps students develop strategies and abilities for solving complex mathematical problems. Focus is on problems not covered in ordinary course work from a variety of areas in mathematics with emphasis on discrete mathematics, linear algebra, abstract algebra, and their applications. Places strong emphasis on critical reasoning, synthesis, and clarity of written expressions. Prerequisite(s): Grade of "C" or better in MATH 2030, MATH 2550 and MATH 2560. **(1)**

MATH 4005 - Advanced and Experimental Problem Solving

Introduces students to the LaTeX typesetting system and to the SAGE (or equivalent) computer algebra system. Helps students develop strategies and abilities for solving complex mathematical problems, using appropriate technology to do experimental mathematics in order to enhance understanding of the underlying theory. Focus is on problems from a variety of areas in mathematics with emphasis on algebra and number theory, differential and integral calculus, differential equations, linear algebra and their applications. Places strong emphasis on critical reasoning, synthesis, and clarity of written expressions. A one hour laboratory session is included in the course. Prerequisite(s): Grade of "C" or better in each of MATH 2030, MATH 2080, MATH 2530, and MATH 2550. **(2)**

MATH 4010 - Modern Geometry

Elementary foundations of geometry from a rigorous point of view, concepts in advanced Euclidean, projective, and non-Euclidean geometry. Prerequisite(s): Grade of "C" or better in MATH 2070/MATH 2070H and MATH 2560 or permission of instructor. **(3)**

MATH 4030 - History of Mathematics

A general survey of the main trends in the development of mathematics from ancient times to the present. The cultural and social contexts of mathematical activity will be studied along with the classic problems. Intensive reading required. Prerequisite(s): Grade of "C" or better in MATH 2080 and MATH 4010. **(3)**

MATH 4040 - Mathematical Probability and Statistics I

(STAT 4040) Introduction to concepts of probability and random variables. Discrete and continuous distributions with applications. Algebra of expectations. Covariance and correlation of two random variables. Prerequisite(s): Grade of "C" or better in MATH 2080 and in STAT 2010 (MATH 1020) or equivalent or permission of the instructor. **(3)**

MATH 4045 - Mathematical Probability and Statistics II

(STAT 4045) Purpose and nature of sampling, particularly from normal populations. Chi-square, t, and F distributions. Formulating and testing statistical hypotheses, point and interval estimation. Prerequisite(s): Grade of "C" or better in MATH 4040 (or STAT 4040). **(3)**

MATH 4050 - Real Analysis I

Real number system; Sequences -- their limits, Bolzano-Weirstrass Theorem; Limits of functions; Continuous functions, uniform continuity. Prerequisite(s): Grade of "C" or better in MATH 2080 and MATH 2560 or permission of instructor. **(3)**

MATH 4060 - Real Analysis II

Differentiation, Riemann- Stieltjes integration; Sequences of functions -- uniform convergence, Infinite series. Prerequisite(s): Grade of "C" or better in MATH 4050 or permission of instructor. **(3)**

MATH 4070 - Introduction to Topology

Topology of the line and plane; abstract topological spaces; continuous functions on topological spaces; metric and normed spaces; separation axioms; compactness; product spaces. Prerequisite(s): MATH 4050 with a grade of "C" or better or permission of the instructor. **(3)**

MATH 4095 - Abstract Algebra

A study of algebraic structures, focusing on groups and rings, including normal subgroups, quotient groups, permutation groups, cyclic groups, quotient rings, integral domains, elementary ideal theory and homomorphisms. Introduction to field theory. MATH 4095 has three lectures per week. Prerequisite(s): MATH 2560 or permission of the instructor. Corequisite(s): MATH 4095D **(3)**

MATH 4095D - Abstract Algebra Drill

A study of algebraic structures, focusing on groups and rings, including normal subgroups, quotient groups, permutation groups, cyclic groups, quotient rings, integral domains, elementary ideal theory and homomorphisms. Introduction to field theory. MATH 4095D meets once per week. Prerequisite(s): MATH 2560 or permission of the instructor. Corequisite(s): MATH 4095 **(0)**

MATH 4201 - Special Topics

Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisite(s): Permission of the instructor. **(1)**

MATH 4202 - Special Topics

Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisite(s): Permission of the instructor. **(2)**

MATH 4203 - Special Topics

Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisite(s): Permission of the instructor. **(3)**

MATH 4511 - Colloquium

(STAT 4511) Topic determined each semester by faculty. Independent work by students under the guidance of a faculty member to be presented orally and in writing to student majors and faculty. Meets once per week.

Prerequisite(s): A grade of "C" or better in all MATH or STAT required courses at the 2000-level and junior or senior status. **(1)**

MATH 4521 - Colloquium

(STAT 4521) Topic determined each semester by faculty. Independent work by students under the guidance of a faculty member to be presented orally and in writing to student majors and faculty. Meets once per week. Prerequisite(s): MATH 4511. A grade of "C" or better in all MATH or STAT required courses at the 2000-level and junior or senior status. **(1, ENGAGEMENTS/Senior Capstone)**

MATH 4999 - Senior Comprehensives

(0)

Medical Laboratory Science

MDLS 2000 - Introduction to MLS

Lecture and practical exercises that focus on laboratory personnel and operation in a clinical laboratory. Students will become familiar with management, employee motivation, interpersonal communication, and interview skills. Students will learn the operations of a clinical laboratory, including laws, regulations, accrediting standards, compliance, and laboratory information systems in an evolving healthcare system. Discussions, demonstrations, and laboratory exercises performed in the student laboratory designed to familiarize the student with the principles, procedures, and interpretation of general and advanced techniques in the clinical laboratory. Includes theory and practical experience for laboratory skills including phlebotomy, laboratory mathematics, quality control, quality assurance, and principles of instrumentation. Prerequisite(s): BIOL 1240 with grade of "C" or better; CHEM 2210/2210D with a grade of "C" or better, or permission of instructor. **(3)**

MDLS 3000 - Professional Skills

Discussions, demonstrations, and laboratory exercises performed in the student laboratory designed to familiarize the student with the principles, procedures, and interpretation of general and advanced techniques in the clinical laboratory. Includes theory and practical experience for laboratory skills including phlebotomy, laboratory mathematics, quality control, quality assurance, and principles of instrumentation. Prerequisite(s): MDLS 2000 with grade of "C" or better. **(3)**

MDLS 3030 - Hematology I

Lectures on normal function and morphology of the blood and bone marrow, and theoretical aspects of blood cell development and function. Included will be evaluation and interpretation of available laboratory methods. Prerequisite(s): MDLS 2000 with grade of "C" or better. **(3)**

MDLS 3030L - Hematology I Lab

Corresponding laboratory course to MDLS 3030. Prerequisite(s): MDLS 2000 with grade of "C" or better. **(1)**

MDLS 3040 - Hematology II

Introduces human hematological disorders associated with white cell abnormalities and anomalies. Emphasizes cell identification, cell differentiation and cell morphology evaluation procedures. Allows for practice of hematology analytical skills and correlation of laboratory findings with patient symptoms and clinical history. Included will be evaluation and interpretation of available laboratory methods. Prerequisite(s): MDLS 2000, MDLS 3030, MDLS 3030L with grade of "C" or better. **(3)**

MDLS 3040L - Hematology II Lab

Corresponding laboratory course to MDLS 3040. Prerequisite(s): MDLS 2000, MDLS 3030, MDLS 3030L with grade of "C" or better. **(1)**

MDLS 3500 - Introduction of Molecular Diagnostic Techniques

Lectures, discussions, demonstrations, and laboratory exercises designed to familiarize the student with the principles and clinical applications of nucleic acid-based molecular testing and virology in the clinical laboratory. Prerequisite(s): MDLS 2000, BIOL 2010, BIOL 2010L with grade of "C" or better, or permission of instructor. **(3)**

MDLS 4000 - Senior Capstone - Management, Education and Research for MDLS Majors

An intense, integrative review course of selected topics in medical laboratory science to prepare students for the board examination and state license including concepts in laboratory management, education and research with critical thinking, problem solving, and professional skills. Contains comprehensive MDLS exam. Two semester course. Prerequisite(s): All 3000-level MDLS courses with grades of "C" or better. **(2)**

MDLS 4122 - Immunohematology

Lectures, discussions, demonstrations, and laboratory exercises performed in the student laboratory designed to familiarize the student with the principles, procedures and interpretation of general and advanced techniques as applied in the clinical immunohematology laboratory. Stresses importance of laboratory quality control in transfusion practices. Prerequisite(s): BIOL 3070, BIOL 3070L and all 3000-level MDLS courses with grades of "C" or better. **(3)**

MDLS 4122L - Immunohematology Lab

Corresponding laboratory course to MDLS 4122. Prerequisite(s): BIOL 3070, BIOL 3070L and all 3000-level MDLS courses with grades of "C" or better. **(1)**

MDLS 4123 - Urinalysis and Body Fluids

An introduction to the concepts important to urine and body fluid evaluation. Includes the anatomy and physiology of the kidney, physical, chemical and microscopic examination of urine, cerebrospinal fluid, and other body fluids as well as quality control, quality assurance and safety. Prerequisite(s): All 3000-level MDLS courses with grades of "C" or better. **(2)**

MDLS 4123L - Urinalysis and Body Fluids Lab

Corresponding laboratory course to MDLS 4123. Prerequisite(s): All 3000-level MDLS courses with grades of "C" or better. **(1)**

MDLS 4124 - Clinical Chemistry Lecture

Lectures and discussions on the physiological pathology of the major organ systems and their chemical constituents with emphasis on the methodology used in the clinical chemistry laboratory in the investigation of pathological changes occurring in disease states. Students will take part in laboratory exercises designed to familiarize them with the principles, procedures, and interpretation of techniques applied in the clinical chemistry laboratory. Prerequisite(s): All 3000-level MDLS courses with grades of "C" or better. **(3)**

MDLS 4124L - Clinical Chemistry Lab

Corresponding laboratory course to MDLS 4124. Designed to familiarize students with the principles, procedures, and interpretation of general and advanced instrumentation in the chemistry laboratory. Stresses quality control and assurance. Prerequisite(s): All 3000-level MDLS courses with grades of "C" or better. **(1)**

MDLS 4231 - Clinical Microscopy Lab

Lectures on the physiology, metabolism, and pathogenesis of medically important bacteria with emphasis on their isolation and identification in the clinical laboratory. Practicum consists of discussions, demonstrations, and laboratory exercises performed in the clinical laboratory designed to familiarize the student with the principles, procedures, and interpretation of general and advanced techniques as applied to urinalysis and body fluid laboratories. Includes principals of instrumentation and methods of laboratory quality control. Prerequisite(s): All 3000-level MDLS courses with grades of "C" or better. **(1)**

MDLS 4232 - Clinical Immunohematology Practicum

This course provides clinical training in blood-banking techniques with emphasis on cell-typing, cross-matching, and compatibility problems and emphasizes the importance of laboratory quality control in transfusion practices. Prerequisite(s): MDLS 4000 with grade of "C" or better. **(3)**

MDLS 4233 - Clinical Hematology Practicum

This course provides clinical training relating to the principles, procedures, and interpretation of manual and automated general and advanced techniques as applied in the clinical hematology and coagulation laboratories. Includes principles of instrumentation and methods of laboratory quality control. Prerequisite(s): MDLS 4000 with grade of "C" or better. **(3)**

MDLS 4234 - Clinical Microbiology Practicum

This course provides clinical training in the theory, practical application, and pathogenesis of clinical microbiology, including collection, quality control, quality assurance, safety, setup, identification, susceptibility testing, and reporting results. Prerequisite(s): MDLS 4000 with grade of "C" or better. **(3)**

MDLS 4235 - Clinical Serology (Immunology) Practicum

This course provides clinical training in a working clinical laboratory with an emphasis on the theory and application of basic immunological principles, including the immune response and the principles of serological procedures including quality control, quality assurance, and safety in Medical Laboratory Science. Prerequisite(s): MDLS 4000 with grade of "C" or better. **(1)**

MDLS 4236 - Clinical Chemistry Practicum

This course provides students with an opportunity for in-depth application and reinforcement of chemistry principles and techniques in a medical laboratory setting. Topics include: therapeutic drugs and toxicology; automated and manual chemistry; immunochemistry; special chemistry; safety; correlation of test results to disease states and critical values; instrumentation; documentation/quality control; and process improvement. The clinical practicum is implemented through the use of written training plans, written performance evaluation, and coordinated supervision. Prerequisite(s): MDLS 4000 with grade of "C" or better. **(3)**

Musicianship

MUSM 1200 - Italian Diction

Rules of pronunciation in basic Italian song literature. **(1)**

MUSM 1211 - Voice Class I

Principles of voice production. **(1)**

MUSM 1212 - Voice Class I

Principles of voice production. **(2)**

MUSM 1221 - Voice Class II

Principles of voice production. **(1)**

MUSM 1222 - Voice Class II

Principles of voice production. **(2)**

MUSM 1270 - Piano Class I

Fundamental piano techniques. **(1)**

MUSM 1280 - Piano Class II

Fundamental piano techniques. **(1)**

MUSM 2010 - Foundations in Functional Musicianship I - Voice and Percussion

A brief overview of the vocal mechanism with its fundamental pedagogy and a selected study of percussion instruments. **(1)**

MUSM 2020 - Foundations in Functional Musicianship II - Woodwinds and Brass

Techniques of woodwind and brass playing and fundamental pedagogy. **(1)**

MUSM 2180 - Elementary Conducting

Techniques and terminologies for beginning conductors. **(2)**

MUSM 2200 - French Diction

Rules of pronunciation using basic French song literature. **(1)**

MUSM 2211 - Voice Class III

More advanced approach to voice production. Prerequisite: MUSM 1211-MUSM 1221 or private voice study. **(1)**

MUSM 2212 - Voice Class III

More advanced approach to voice production. Prerequisite: MUSM 1211-MUSM 1221 or private voice study. **(2)**

MUSM 2221 - Voice Class IV

More advanced approach to voice production. Prerequisite: MUSM 1211-MUSM 1221 or private voice study. **(1)**

MUSM 2222 - Voice Class IV

More advanced approach to voice production. Prerequisite: MUSM 1211-MUSM 1221 or private voice study. **(2)**

MUSM 2270 - Piano Class III

Continuation of basic piano techniques. Prerequisite: MUSM 1270-MUSM 1280 or private piano study. **(1)**

MUSM 2280 - Piano Class IV

Continuation of basic piano techniques. Prerequisite: MUSM 1270-MUSM 1280 or private piano study. **(1)**

MUSM 2290 - Guitar Class

Fundamental techniques and basic fingerings for guitar playing. **(1)**

MUSM 3010 - Foundations in Functional Musicianship III - Strings and Guitar

Basic techniques of playing stringed instruments and basic fingering and techniques of guitar playing. **(1)**

MUSM 3180 - Advanced Conducting

Advanced techniques, strategies, and terminology for conducting band, orchestra, and chorus; guidance in conducting choral, orchestra, and band rehearsals and performances. Prerequisite: MUSM 2180 **(2)**

MUSM 3200 - German Diction

Rules for pronunciation using basic German song literature. **(1)**

MUSM 3270 - Piano Class V

Advanced techniques of piano study. Prerequisites: MUSM 2270-MUSM 2280 **(1)**

MUSM 3280 - Piano Class VI

Advanced techniques of piano study. Prerequisites: MUSM 2270-MUSM 2280 **(1)**

MUSM 4001 - Directed Readings in Music

(1)

MUSM 4002 - Directed Readings in Music

(2)

MUSM 4003 - Directed Readings in Music

(3)

MUSM 4010 - Foundations in Functional Musicianship IV - Technology in the Teaching of Music.

An introduction to music technology in software and computer programs, audio-visual teaching support technology, PowerPoint, and the use of digital piano/computer lab. **(1)**

MUSM 4101 - Special Topics in Music

Selected studies in the history, literature, performance, or theory of music. **(1)**

MUSM 4102 - Special Topics in Music

Selected studies in the history, literature, performance, or theory of music. **(2)**

MUSM 4103 - Special Topics in Music

Selected studies in the history, literature, performance, or theory of music. **(3)**

MUSM 4210 - Vocal Pedagogy and Literature I

Pedagogical and historical concepts in vocal study, vocal production and vocal literature. Prerequisite: Junior or senior status. **(2)**

MUSM 4220 - Vocal Pedagogy and Literature II

Pedagogical and historical concepts in vocal study, vocal production and vocal literature. Prerequisite: Junior or senior status. **(2)**

MUSM 4250 - Major Applied Instrument Pedagogy and Literature I

Pedagogical and historical concepts of the major applied instruments, methodologies, and literature. Prerequisite: Junior or senior status. **(2)**

MUSM 4260 - Major Applied Instrument Pedagogy and Literature II

Pedagogical and historical concepts of the major applied instruments, methodologies, and literature. Prerequisite: Junior or senior status. **(2)**

MUSM 4270 - Piano Pedagogy and Literature I

Pedagogical and historical concepts in piano study, methodologies and literature. Prerequisite: Junior or senior status. **(2)**

MUSM 4280 - Piano Pedagogy and Literature II

Pedagogical and historical concepts in piano study, methodologies and literature. Prerequisite: Junior or senior status. **(2)**

MUSM 4999 - Senior Comprehensives

Required in last semester of residence for Bachelor of Arts majors. **(0, ENGAGEMENTS/Senior Capstone)**

Music Education

MUME 2013 - Elementary Classroom Music

Study of music fundamentals and the materials and methods of teaching music in the elementary school. Designed for Elementary Education majors only. **(3)**

MUME 2044 - Classroom Management & Rehearsal Organization

Introduces methodologies and materials for teaching classroom management and organization as it applies to the music classroom and the vocal/instrumental rehearsal. This course provides an in-depth analysis of principles underlying effective rehearsal techniques and management practices for diverse classroom situations (small and larger ensembles or groups). **(3)**

MUME 3021A - Methods of Teaching Music K-8

At the completion of this course, the student will be able to prepare materials to be used in music instruction and demonstrate historical, experimental and other pedagogical strategies in the teaching of choral, instrumental, and general music in the K-12 grade levels. Prerequisite(s): Admitted into TEP. **(3, Sp)**

MUME 3021B - Methods of Teaching Music 9-12

Introduces methodologies and materials for music teaching in grades 9 thru 12 with emphasis on: the historical, pedagogical and experimental approaches to school music teaching, Choral and Instrumental, teaching techniques and strategies for the secondary school student and curriculum evaluation. Prerequisite(s): Admitted into TEP. **(3, Sp)**

MUME 3023 - Special Methods

Prepares the student to plan, evaluate and use instructional strategies suited to Music Education. **(3)**

MUME 4061S - Seminar in Student Teaching in Music

See EDSC 4061S **(0)**

MUME 4061T - Student Teaching in Music

See EDSC 4061 **(9)**

Music History

MUSH 1050 - Introduction to Music History and Literature I

An overview of the fundamentals of the history and literature of music from the Medieval through the Baroque Periods. This course will emphasize listening and is designed for music majors. **(3)**

MUSH 1070 - Introduction to Music History and Literature II

An overview of the fundamentals in the history and literature of music from 18th century Classicism through the New Music of the 20th century. This course will emphasize listening and is designed for music majors. **(3)**

MUSH 1080 - Introduction to World Music

(DGHU 1080) This course is a survey of selected musical traditions from various areas of the globe and their respective cultural contexts. Music cultures surveyed will be selected from traditions of sub-Saharan Africa, Asia, Europe, North America, South America, and the Caribbean. **(3, EXPLORATIONS/Creative Expression & Engagement)**

MUSH 2000 - Music Appreciation

General study in the history and literature of music designed for the non-music major. **(3, EXPLORATIONS/Creative Expression & Engagement)**

MUSH 2050 - Music History I

Ancient, Medieval, and Renaissance music. Prerequisite: MUSH 1050 **(3)**

MUSH 2060 - Music History II

Music of the Baroque era Prerequisite: MUSH 1050 **(3)**

MUSH 2130 - Afro-American Music

(AADS 2130) Music of the African American. **(3, EXPLORATIONS/African American Heritage & Legacies)**

MUSH 2140 - Afro-American Music

(AADS 2140) Music of the African American. **(3)**

MUSH 3050 - Music History III

Classical and Romantic music. Prerequisite: MUSH 1050 **(3)**

MUSH 3060 - Music History IV

Contemporary music. Music of the 20th century. Prerequisite: MUSH 1050 **(3)**

Music Recitals

MURE 1070A - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

MURE 1070B - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

MURE 2070A - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

MURE 2070B - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

MURE 3000 - Junior Recital

Required during junior year of all performance majors. **(0)**

MURE 3070A - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

MURE 3070B - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

MURE 4000 - Senior Recital

Required during senior year of all performance majors. **(0, ENGAGEMENTS/Senior Capstone)**

MURE 4070A - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

MURE 4070B - Recital Class

Weekly recitals for performance experiences. Required of all music majors. **(0)**

Music Theory

MUST 1030 - Music Theory I

Rudiments of music; part-writing techniques; primary, secondary triads and dominant sevenths and inversions. Prerequisite: Entrance examination. **(3)**

MUST 1030L - Music Theory Lab I

Emphasis on sight-reading, ear-training, and dictation. Prerequisite: Entrance examination. **(1)**

MUST 1040 - Music Theory II

Rudiments of music; part-writing techniques; primary, secondary triads and dominant sevenths and inversions. Prerequisite: MUST 1030 **(3)**

MUST 1040L - Music Theory Lab II

Emphasis on sight-reading, ear-training, and dictation. Prerequisite: MUST 1030L **(1)**

MUST 2030 - Music Theory III

Advanced part-writing; seventh chords, secondary dominants, simple and advanced alterations; modulation; chromatic harmony; 20th century applications. Prerequisite: MUST 1030-MUST 1040. **(3)**

MUST 2030L - Music Theory Lab III

Advanced sight-reading, ear-training, and dictation. Prerequisite: MUST 1030L-MUST 1040L. **(1)**

MUST 2040 - Music Theory IV

Advanced part-writing; seventh chords, secondary dominants, simple and advanced alterations; modulation; chromatic harmony; 20th century applications. Prerequisite: MUST 1030-MUST 1040 and MUST 2030 **(3)**

MUST 2040L - Music Theory Lab IV

Advanced sight-reading, ear-training, and dictation. Prerequisite: MUST 1030L-MUST 1040L and MUST 2030L **(1)**

MUST 3030 - Eighteenth Century Counterpoint

Contrapuntal techniques and stylistic functions found in Baroque forms; practical application to writing in this style. Prerequisites: MUST 1030-MUST 1040 and MUST 2030-MUST 2040. **(2)**

MUST 3090 - Orchestration

Study of and writing for orchestral instruments. Prerequisites: MUST 1030-MUST 1040 and MUST 2030-MUST 2040. **(2)**

MUST 3111 - Composition I

Study of compositional methods and writing in small forms. Prerequisites: MUST 1030-MUST 1040 and MUST 2030-MUST 2040. **(2)**

MUST 3112 - Composition II

Study of compositional methods and writing in small forms. Prerequisites: MUST 1030-MUST 1040 and MUST 2030-MUST 2040. **(2)**

MUST 4030 - Analytical Techniques I

Historical analysis of music from Medieval to Contemporary era. Prerequisites: MUST 1030-MUST 1040 and MUST 2030-MUST 2040. **(2)**

MUST 4040 - Analytical Techniques II

Historical analysis of music from Medieval to Contemporary era. Prerequisites: MUST 1030-MUST 1040 and MUST 2030-MUST 2040. **(2)**

MUST 4500H - Music Theory Honors Seminar

A seminar project under the supervision of a selected faculty person in fulfillment of departmental requirements to graduate with honors in music theory. The students who elects to complete this program must choose one of the following projects: (A) composing an original work of one or two movements, (B) arranging an approved composition, or (C) the formal analysis of an approved composition. **(1)**

Neuroscience

NSCI 3050 - Physiological Psychology

PSYC 3050 This is a basic introductory course in the field of neuroscience. It examines the biological basis of behaviors such as aggression, reproduction, sleep, dreaming, and mental disorders. Prerequisite(s): PSYC 1010 and PSYC 2020, or permission of the Department Head. BIOL 1030 or BIOL 1230 are recommended but not required. **(3)**

NSCI 3300 - Introduction to Neuroscience

BIOL 3300 A broad survey of neuroscience, including the molecular and cellular bases of neurons and their function. Prerequisites: BIOL 1240 and BIOL 1240L with grades of "C" or better are required; BIOL 3110 is highly recommended. **(3)**

NSCI 4020 - Cognitive Neuroscience

PSYC 4020 Explores the neurobiological mechanisms that underlie cognition by understanding the brain. The primary objective is to introduce terminology and concepts that explain how cognitive function arises from interactions between groups of neurons. This course seeks to highlight the brain's complexity and elegance, and its ability to create and coordinate all of a person's thoughts, actions, memories, feelings, dreams, and aspirations. Prerequisite(s): PSYC 1010 and NSCI 3050. **(3)**

NSCI 4050 - Drugs and Behavior

PSYC 4050 Introduces students to the basics of drug administration, absorption, metabolism, and excretion, as well as how drugs act at neuronal synapses to cause changes in neuronal function. The connection is then made from these neuronal functional changes to broader behavioral changes associated with various legal, illegal, and prescription psychoactive drugs. Also examines the use of antidepressants, antipsychotics, and other drug therapies for the treatment of psychopathologies. Prerequisite(s): PSYC 1010, PSYC 2020, PSYC 2512, and NSCI 3050 or permission of the instructor. **(3)**

NSCI 4085 - Disorders of the Brain

PSYC 4085 An introduction to the study of clinical neuropsychology, an applied area of neuroscience. Survey of current neuropsychological knowledge as it pertains to normal brain anatomy, functioning, and pathological disorders. Specific emphasis placed on current scientific literature regarding the use of neuroimaging and neuropsychological methods for understanding network-based brain changes that occur in neurological disorders.
Prerequisite(s): PSYC 2512 and NSCI 3050 or permission of the instructor. **(3)**

NSCI 4999 - Senior Comprehensives

Prerequisites: PSYC 1010 and PSYC 2020. **(0, FaSp)**

Performance Studies

PERF 1000 - Introduction to Performance Studies

PERF 1000 is an introduction to the discipline of performance studies as theory, method, analytical lens, and aesthetic product in various contexts or frames. Performance studies is an interdisciplinary field grounded in communication studies that influences and borrows from theatre studies, anthropology, sociology, art history, and cultural studies. This course looks at performance as both an object of inquiry and a method of embodied knowledge (epistemology). **(3)**

PERF 2010 - Performance of Literature

PERF 2010 is an introduction to the study and practice of performing literature. The course focuses on making sense of literature and stories through the act of performance. PERF 2010 includes reading, analysis, and performance of literary texts and the stories others share. Performance is seen as a method of embodied learning that allows students to explore literature and storytelling in relation to cultural meanings and identity. The course includes in-class performances, written assignments and cultural critiques. **(3, EXPLORATIONS/Creative Expression & Engagement)**

PERF 2035 - Performance of Everyday Life

This course focuses on the relationship between everyday life and aesthetic performance. We will explore how communication in everyday life may be understood using performance as a metaphor and method of study. We will discuss culture as a continuous performance, from the "ordinary" speech of an individual to the elaborate rituals and practices of groups and organizations. We will look at how these everyday performances construct and maintain culture. **(3, EXPLORATIONS/Creative Expression & Engagement)**

PERF 2040 - Practicum in Performance Technologies

PERF 2040 is a team-taught practicum in performance technologies, specifically geared toward the use of the technical equipment that is part of the Performance Studies Laboratory's (PSL) mobile black box and course offerings. The short-term goal of the course is to provide all participants with the practical knowledge necessary to use the equipment in comprehensive, safe, and creative ways. The long-term goal is to enable participants to use similar equipment in other venues they may encounter in their careers. **(3)**

PERF 3030 - Race, Culture, & Communication

(XCOR 3010) PERF 3030 is an introduction to the study of rhetorical and performative theories and practices across cultures. Through investigation of numerous sites and archives in the city, we will explore how the interconnections of race and culture shape communication, as well as influence contemporary social issues. We will analyze and apply performance praxis and theory to inform our understanding of how race and culture are communicated, transmitted, and transformed. **(3)**

PERF 3060 - Performance Composition

This course studies the rhetorical and aesthetic elements of solo and group performance, including performances of literature, cultural performances, and experimental performances. Theory and practice are emphasized, as students broaden their understanding of performance as both object of study and method of representation. Students will develop performances through adapting or creating texts and working with various staging aesthetics.
Prerequisite(s): PERF 1000; PERF 2010 or PERF 2035; or instructor permission **(3)**

PERF 3075 - Special Topics in Performance Studies

A practice- and/or theory-based course course that will focus on a specific issue or area within the field of Performance Studies. Before enrolling, students should consult the instructor regarding the topic and course requirements. Students may enroll in PERF 3075 a maximum of two times. Prerequisite(s): PERF 1000, PERF 2010 or PERF 2035; OR instructor permission. **(3)**

PERF 3200 - Dramas of the African Diaspora

An interdisciplinary course that engages students in alternative methods for studying critical issues throughout the modern African Diaspora including colonization and independence, cultural identity, immigration, women's issues, and class and social mobility among others. Titles change each semester the course is taught to continuously explore different issue, perspectives, and experiences of people of African descent throughout the worldwide African Diaspora. As an interdisciplinary course, the approach will combine humanities and social science inquiry. Upon completion of the course, students will have studied drama as a literary genre and its enlistment by playwrights as an effective medium for social/political commentary, as preservation of history and culture (including oral traditions), and as entertainment. Prerequisite(s): PERF 1000, and ENGL 1010 or ENGL 1023H **(3)**

PERF 3400 - Seminar in Performance Theory

This course explores the practical, engaging, and relevant ways in which performance theory operates aesthetically and socio-culturally in our everyday lives. It exposes students to both the contemporary humanistic and aesthetic theories in the discipline of performance studies. Prerequisite(s): PERF 1000; PERF 2010 or PERF 2035; or permission of the instructor. **(3)**

PERF 4020 - Tourism & Performance

This course will involve active engagement and participation of students in the practice, production, and performance of tourism. Strategies for better tourism will be enacted through creative, participatory, and embodied forms of scholarship. Taking tours and creating tours in digital projects and live performances will require that students actively engage the course materials and themes. Through creative projects that utilize performance methodologies for both live and mediated modes of representation and expression, students will contribute to the definition and transmission of culture as reflected in its modes of tourism. Prerequisite(s): PERF 3060 and PERF 3400; OR instructor permission. **(3)**

PERF 4133 - Independent Study

An opportunity for in-depth study or research in Performance Studies. The topic or area of study will be initiated by the student and approved by the supervising faculty member. Prerequisite(s): Junior or senior level status and/or permission of instructor. **(3)**

PERF 4900 - Performance Studies Capstone

In this course, students will engage in developing a digital portfolio integrating and applying the theories, knowledge and skills they have acquired through their previous coursework in Performance Studies to a project that serves as an instrument of evaluation, satisfying the Senior Comprehensive Examination requirement. Prerequisite(s): PERF 3060, PERF 3400, and senior status. **(3)**

Pharmaceutics

The Fall (Fa) or Spring (Sp) semesters indicated are expected but are not guaranteed.

PHCT 3050 - Pharmaceutics I

Concepts of design, preparation, use and evaluation of solid and semi-solid dosage forms. Specific topics include powders, tablets, capsules, coated dosage forms, suspensions, emulsions, magmas, gels, lotions, ointments, creams, pastes, suppositories, transdermal systems, sustained release products and novel drug delivery systems. Corequisite(s): PHCT 3050 and 3050L are mutually corequisite. **(3, Sp)**

PHCT 3050L - Pharmaceutics I Laboratory

Concepts of design, preparation, use and evaluation of solid and semi-solid dosage forms. Specific topics include powders, tablets, capsules, coated dosage forms, suspensions, emulsions, magmas, gels, lotions, ointments, creams, pastes, suppositories, transdermal systems, sustained release products and novel drug delivery systems. Corequisite(s): PHCT 3050 and 3050L are mutually corequisite **(1, Sp)**

PHCT 4550 - Pharmaceutics II

Concepts of design, preparation, use, and evaluation of liquid dosage forms. Principles of ionic equilibria, pharmaceutical buffers, colligative properties, chemical kinetics and solubility product are discussed. Specific topics

include oral, nasal ophthalmic, parenteral, topical, aerosol solutions and products of biotechnology and recombinant DNA. Prerequisite: PHCY 3620 **(3, Fa)**

PHCT 4800 - Biopharmaceutics and Basic Pharmacokinetics

Mathematical descriptions of the complex processes involved in drug release, absorption, distribution, metabolism and excretion. Introduction to the basic pharmacokinetic principles necessary for the assessment of bioavailability and bioequivalence, drug interactions and calculations of dosage regimens. *Prerequisites: PHCT 3050 and PHCT 4550* **(3, Sp)**

Pharmacy

The Fall (Fa) or Spring (Sp) semesters indicated are expected but are not guaranteed.

PHCY 3010 - Exploring Global Health Disparities

Exposes students to the current state of health and healthcare in low and middle-income countries. The course will concentrate on communicable diseases and explore the impacts that governmental healthcare regulations, global conflict, cultural beliefs and practices, and economic development have on the current status of health in developing countries. Prerequisite: Admission to the College of Pharmacy **(2, Fa or Sp)**

PHCY 3101 - The Xavier Pharmacist I

The first in a series of required professional development courses that focus on personal growth within the broad domain of professionalism and personal success. This course will explore the themes of professional behavior, professional responsibility, self-awareness and its relationship to professionalism and the interconnections of pharmacy practice and social justice. This course seeks to facilitate professional and personal development within the context of professional pharmacy and the mission of the College and University. **(1)**

PHCY 3102 - The Xavier Pharmacist II

The second in a series of required professional development courses that focus on personal growth within the broad domain of professionalism and personal success. This course will explore the themes of professional behavior, professional responsibility, self-awareness and its relationship to professionalism and the interconnections of pharmacy practice and social justice. This course seeks to facilitate professional and personal development within the context of professional pharmacy and the mission of the College and University. **(1)**

PHCY 3610 - Drug Information and Literature Evaluation I

Designed to introduce the professional pharmacy student to the use of medical literature in pharmacy practice. Students will practice strategies for searching published literature databases and develop professional, evidence-based responses to drug information questions. Knowledge and skills necessary to critically evaluate medical literature and apply scientifically valid evidence-based research in pharmacy practice will also be developed. Prerequisite: Admission to the College of Pharmacy **(1, Fa)**

PHCY 3620 - Pharmaceutical Calculations

Reviews basic arithmetic skills, and discusses fundamental calculations encountered in the practice of pharmacy. The course focuses on the application of mathematical concepts in understanding, interpreting, compounding and dispensing prescriptions and medication orders. *Prerequisite: Admission to the College of Pharmacy* **(2, Fa)**

PHCY 4000 - Women's Health

Focuses on factors affecting women's premature morbidity and mortality. Students will be required to evaluate the role of the pharmacist in decreasing this sequelae while optimizing patient's health related quality of life (QOL). Specific areas of study include contraception, menopause, osteoporosis and other disease states that disproportionately affect the female gender. Prerequisites: PHAD 4220 **(2, Sp)**

PHCY 4001 - Cancer: Causes, Treatment, and Disparities

BIOL 4000 Explores cancer incidence, development, biology, treatment and cultural considerations including health disparities. Team-taught and jointly offered by Tulane and Xavier Universities. Open to Xavier University undergraduates and pharmacy students, Tulane university undergraduates and graduate students. Pharmacy Prerequisite: PHSC 3810 **(3, Sp)**

PHCY 4610 - Drug Information and Literature Evaluation II

Designed to introduce the professional pharmacy student to the use of medical literature in pharmacy practice. Students will practice strategies for searching published literature databases and develop professional, evidence-based responses to drug information questions. Knowledge and skills necessary to critically evaluate medical literature and apply scientifically valid evidence-based research in pharmacy practice will also be developed. Prerequisite: PHCY 3610 **(1, Sp)**

PHCY 4830 - Drug-Induced Diseases Online/Hybrid

Provides students with information on drug-induced disease states through online discussions, illustrations, and practice in patient-case scenarios. The student will learn how specific drugs may cause injury to a patient in the presence of predisposing risk factors. With an increased number of drug entities and accelerated FDA drug approvals, recent medical advances have resulted in products with both promise and risk. Simultaneously, established drug entities often exert predictable yet unnecessary harm to patients when susceptibility and therapeutic options are not recognized by health providers. This course should provide the background for students to recognize drugs that cause diseases and the patient populations most at risk. This information is intended for application on student rotations, pharmacy residencies, or future practice as a knowledgeable, competent pharmacist. Prerequisites: PCLN 4775, PCLN 4776, PCLN 4777, and PCLN 4778

PHCY 5010 - Sterile Compounding and Aseptic Technique

Provides a comprehensive and concentrated experience in sterile compounding and hazardous drug handling knowledge. Topics covered in this elective course include fundamentals of sterile compounding, calculations for sterile compounding, large and small parenteral preparations, and USP and chemotherapy preparations.
Prerequisite(s): PHCY 3620, PCLN 4601, and PCLN 4602. **(3)**

PHCY 5601 - Interprofessional Education

This seminar will provide students with an opportunity to participate in an interprofessional education (IPE) learning experience designed to enhance the professional pharmacy student's ability to collaborate effectively within a healthcare team to improve patient outcomes. Various health care team members will provide presentations to students regarding their roles and responsibilities, in addition to introducing the core competencies for interprofessional collaborative practice. Students will obtain out-of-class IPE experience through a host of learning channels including but not limited to attending local support groups, interviewing other health care providers, and attending interprofessional conferences and committee meetings. Prerequisite(s): PCLN 3630, PCLN 3630L, and PCLN 3700 **(1)**

PHCY 5601 - Interprofessional Education

PHCY 5602 - Interprofessional Hotspotting NOLA

Introduces the professional pharmacy student to patient advocacy and care coordination, interprofessional collaboration and problem solving. Students will work on interprofessional teams to identify high utilizer status patients using the LSU Hospital databases, then interview and work closely with their patient to reduce excessive health care system utilization. Student groups would identify barriers to the patients' ability to manage their disease states and then develop, implement and monitor low- or no-cost solutions to those problems. Prerequisites: PCLN 4775, PCLN 4776, PCLN 4777, and PCLN 4778. **(1)**

PHCY 5610 - Drug Information and Literature Evaluation III

Designed to introduce the professional pharmacy student to the use of medical literature in pharmacy practice. Students will practice strategies for searching published literature databases and develop professional, evidence-based responses to drug information questions. Knowledge and skills necessary to critically evaluate medical literature and apply scientifically valid evidence-based research in pharmacy practice will also be developed. Prerequisite: PHCY 4610 Corequisite: PHAD 5220 **(1, Fa)**

Pharmacy Administration

The Fall (Fa) or Spring (Sp) semesters indicated are expected but are not guaranteed.

PHAD 3710 - Contemporary Topics in Public Health

Detailed discussion on current topics in pharmacy and public health. Prerequisite(s): PHCY 3610. **(2, SpSu)**

PHAD 4220 - Public Health/Epidemiology

Offers students an introduction to the principles of public health and their application to the field of pharmacy. Students will be introduced to the history of public health; the role and use of epidemiology; community health promotion and planning; building cultural competence; characteristics of local and state public health infrastructure; aspects of emergency preparedness; and the unique role of pharmacy in advancing the aims of public health. Prerequisite(s): PHCY 3610 **(1, Fa)**

PHAD 5120 - Seminar in Pharmacy Ethics

Guides the student in applying professional and personal ethical beliefs and models to practice inspired scenarios. Students will work to solve ethical dilemmas and propose solutions to ethical challenges. Prerequisites: PCLN 4770, PCLN 4771, PCLN 4772, PCLN 4773, PCLN 4774, PHCY 4610, PCLN 3630/PCLN 3630L, and PHAD 4220 **(1, Fa,Sp)**

PHAD 5220 - Pharmacoeconomics and Health Outcomes

Introduces principles of pharmacoeconomics and concepts of health outcomes research. Different types of economic analysis applied to pharmaceuticals and pharmaceutical services are discussed, including cost-of-illness analysis, cost-minimization analysis, cost-benefit analysis, cost-effectiveness analysis and cost-utility analysis. The course also features decision analysis, pharmacoepidemiology and discussion of delivery, financing and reimbursement in the health care system. Prerequisites: PHCY 3610 ,PHCY 4610, and PHAD 4220 Co-requisites: PHCY 5610.

PHAD 5320 - Pharmacy Management

Provides an introductory overview of the financial, administrative and sociobehavioral aspects associated with the operation of a pharmacy in any practice setting. Both principles and methods derived from basic disciplines such as management operations, organization, human resources management, accounting, finance, marketing and risk management are related to decision-making and management in a pharmacy environment. Organizational structure and behavior, planning, leadership, financial analysis, budgeting, third party payer considerations, inventory purchasing and management, managing medication errors and entrepreneurship and innovation are among the topics included in the course. Prerequisite: PCLN 3630/PCLN 3630L, PCLN 4601, and PCLN 4602 Corequisites: PHAD 5420 and PCLN 5620L

PHAD 5420 - Pharmacy Law

A team-based learning approach to the study of the Federal Food Drug and Cosmetic Act, Controlled Substance Act, HIPAA, Sherman Antitrust Act, Selected Sections of the Social Security ACT, CMS Regulations, Patriot Act, Louisiana State Pharmacy Practice Act and Board of Pharmacy Regulations with selected comparisons to state regulation around the United States. Prerequisites: PHCY 4610, PHAD 5220, PCLN 3630/PCLN 3630L, PCLN 4630L, and PCLN 4640L Corequisite: PHAD 5320

PHAD 5500 - China Health Care System

This course introduces various aspects (epidemiology, social, economical, cultural) of China's health care system. The course is delivered in China to allow first-hand experience and observation in the real world through field visits. Topics include historical background and development of the Chinese health care system and its current structure and special health issues, such as HIV/AIDS, tuberculosis, chronic diseases, hospital management, rural health, green medicine, and reproductive health. Financing of healthcare system is also discussed. Students also rotate in a number of sites including primary care centers, tertiary hospitals, and public health entities to provide services such as presenting educational materials, shadow health care providers and survey health care providers. Prerequisite(s): PHAD 4220, PCLN 4601, PCLN 4602, and PCLN 4640L **(2)**

Pharmacology

The Fall (Fa) or Spring (Sp) semesters indicated are expected but are not guaranteed.

PHCL 3610 - Biomedical Immunology

Immunology from a biomedical/clinical perspective as applied to pharmacy practice. Introduces basic principles of the immune system as an adaptive physiological system with an emphasis on drugs that regulate the immune system, immunological molecules as drugs, and immune system-based diseases and syndromes. Prerequisite: Admission to the College of Pharmacy. **(2, Fa)**

PHCL 3620 - Human Physiology and Anatomy

(BIOL 3450) Comprehensive view of the human body emphasizing individual systems and their interactions with each other and exogenous materials. Limited to Pharmacy students. Prerequisite: BIOL 1240 **(3, Fa)**

PHCL 3620L - Human Physiology and Anatomy Laboratory

(BIOL 3450L) Comprehensive view of the human body emphasizing individual systems and their interactions with each other and exogenous materials. Limited to Pharmacy students. Prerequisite: BIOL 1240 **(1, Sp)**

PHCL 3630 - Human Physiology and Anatomy

(BIOL 3460) Comprehensive view of the human body emphasizing individual systems and their interactions with each other and exogenous materials. Limited to Pharmacy students. Prerequisite: BIOL 1240 **(3, Sp)**

PHCL 5010 - Chemical and Drug Toxicology

This course covers the major principles and concepts of toxicology. It presents the broad science of toxicology. The principles and mechanisms of toxicant action on specific organ systems are included. Prerequisite(s): PHCL 3610, PHCL 3620, PHCL 3630, PHSC 3650, PHSC 3810, PHSC 3910, and PHSC 4910 **(2, Sp)**

Pharmaceutical Sciences

The Fall (Fa) or Spring (Sp) semesters indicated are expected but are not guaranteed.

PHSC 3650 - Pharmacy Biotechnology and Pharmacogenomics

Implements the use of the Central Dogma and molecular biology in the characterization of genetic variants, producing recombinant drugs/biologics that are used for pharmacological intervention. Also incorporates the use of pharmacogenomics and other diagnostic tools in the detection, treatment, and management of diseases based on the evidence-based practices for patient-centered care. Prerequisites: PHSC 3810 and PHCL 3610. **(3, Sp)**

PHSC 3810 - Pharmacy Biochemistry/Molecular Biology

Presents an integration of the biochemistry and molecular biology of cellular interactions. Molecular biology topics include molecular aspects of gene structure and function, DNA damage, and repair, replication, transcription, control of gene expression, translation and post-translational processing. Protein-related topics include protein structure-function, protein folding, enzyme kinetics, and the study of metabolic processes, pathways, and their regulation. Membrane associated energetics, mechanisms of signal transduction, blood coagulation and fibrinolysis, and the enzymology of drug metabolism are also covered. *Prerequisite: Admission to the Xavier University College of Pharmacy* **(4, Fa)**

PHSC 3910 - Medicinal Chemistry/ Pharmacology (MCP) I

The MCP courses integrate the sciences of medicinal chemistry and pharmacology and are designed to teach students how the physiochemical properties governing structure-activity relationships of drugs impact pharmacodynamics/pharmacokinetic characteristics, therapeutic utility, drug-drug interactions, and associated significant adverse drug reactions. Prerequisite(s): PHSC 3810 and PHCL 3620/ PHCL 3620L Corequisite(s): PHCL 3630 **(4, Sp)**

PHSC 4910 - Medicinal Chemistry/Pharmacology (MCP) II

The MCP courses integrate the sciences of medicinal chemistry and pharmacology and are designed to teach students how the physiochemical properties governing structure-activity relationships of drugs impact pharmacodynamics/pharmacokinetic characteristics, therapeutic utility, drug-drug interactions, and associated significant adverse drug reactions. Prerequisite: PHSC 3910, PHCL 3620, and PHCL 3630 Corequisite: Therapeutics II. **(4, Fa)**

PHSC 4920 - Medicinal Chemistry/Pharmacology (MCP) III

The MCP courses integrate the sciences of medicinal chemistry and pharmacology and are designed to teach students how the physiochemical properties governing structure-activity relationships of drugs impact pharmacodynamics/pharmacokinetic characteristics, therapeutic utility, drug-drug interactions, and associated significant adverse drug reactions. Prerequisites: PHSC 3910, PHCL 3620, and PHCL 3630 Corequisite: Therapeutics III **(4, Sp)**

PHSC 5500 - Techniques in Drug Discovery and Biotechnology

The course focuses on common model systems and methodology used in biomedical/ pharmaceutical discovery, with specific emphasis made toward data interpretation. Experimental case study approaches will be utilized to orient the learner to real/simulated laboratory-based situations and clinical applications. Prerequisite(s): Admission into the MS in Pharmaceutical Sciences Program. **(2, Fa)**

PHSC 5510 - Ethical Practices in Biomedical Research

In this case study-based course, students will learn about the ethical considerations as they relate to scientific research and integrity. The course emphasize ethical perspectives toward research with regard to human subject protections (including protected populations), the role of animals in research, advising and mentoring, and research misconduct. Regulatory compliance will be discussed. Prerequisite(s): Admission into the MS in Pharmaceutical Sciences Program. **(1, Fa)**

PHSC 5520 - Seminar in Pharmaceutical Sciences I

The goal of this journal club course is to develop students' ability to comprehend, analyze, and evaluate scientific literature as it pertains to biomedical and drug discovery research. Students will critique and evaluate peer-reviewed, published scientific literature in the topics chosen by student presenters. Each student is required to participate in journal club discussions, and present research articles once per semester. Prerequisite(s): Admission into the MS in Pharmaceutical Sciences Program. **(1, Fa)**

PHSC 5530 - Seminar in Pharmaceutical Sciences II

The goal of this journal club course is to develop students' ability to comprehend, analyze, and evaluate scientific literature as it pertains to biomedical and drug discovery research. Students will critique and evaluate peer-reviewed, published scientific literature in the topics chosen by student presenters. Each student is required to participate in journal club discussions, and present research articles once per semester. Prerequisite(s): Admission into the MS in Pharmaceutical Sciences Program. **(1, Sp)**

PHSC 5540 - Principles of Drug Action I

This course introduces the central mechanisms of drug action. Topics include: physiochemical properties of drugs, principles of pharmacodynamics, introduction to pharmacokinetics, principles in toxicology, pharmacogenetics, introduction to pharmaceutics, and biochemical toxicology. Prerequisite(s): Admission into the MS in Pharmaceutical Sciences Program. **(2, Fa)**

PHSC 5550 - Principles of Drug Action II

This course introduces the central mechanisms of drug action. Topics include: physiochemical properties of drugs, principles of pharmacodynamics, introduction to pharmacokinetics, principles in toxicology, pharmacogenetics, introduction to pharmaceutics, and biochemical toxicology. Prerequisite(s): PHSC 5540. **(4, Sp)**

PHSC 5560L - Pharmaceutical Analysis Lab

This course will involve the hands-on application of pharmaceutical analysis, using chromatography, spectroscopy, imaging to study the physiochemical properties of drugs. Students will be given unknown drug products, and will utilize appropriate techniques to identify/characterize the unknown throughout the course of the semester. Prerequisite(s): PHSC 5540 . **(1, Sp)**

PHSC 5570L - Pharmaceutics Lab

Each laboratory exercise is representative of a class of preparations (solid, liquid, semisolid, or disperse systems), a principle, or a pharmaceutical technique. This course integrates elements of the traditional pharmaceutical preparation with elements of manufacturing pharmacy and physical pharmacy. The exercises have been chosen either to illustrate and reinforce a specific concept discussed in the lecture portion of the Pharmaceutics I course or to introduce the student to the pharmaceutical calculation, design, methods of preparation, ingredients, and evaluation of the various classes of dosage forms. Prerequisite(s): Admission into the MS in Pharmaceutical Sciences Program. **(1, Sp)**

PHSC 5580 - Graduate Pharmaceutics I

This course involves the application of theories and concepts to the technology, design, evaluation, preparation and use of solid and semisolid dosage forms. The need for pharmaceutical dosage forms will be discussed, the concept of an optimized drug product will be considered, and the official compendia examined. The theories and technology of disperse systems (emulsions, suspensions), ointments, creams, pastes, gels, lotions, transdermal drug delivery systems, suppositories, tablets, lozenges, powders, capsules, aerosols, and sustained-release formulations will be discussed. Novel drug delivery systems will also be introduced. An overview of the factors to be considered in dosage form design will be presented. The importance of nonmedicinal agents in dosage forms will be explained. Pharmaceutical processes such as comminution, and blending will be covered. Various physical phenomena affecting solid pharmaceuticals will be discussed. Prerequisite(s): PHSC 5540. **(3, Sp)**

PHSC 5590 - Graduate Pharmaceutics II

This course involves the application of theories and concepts to the technology, design, evaluation, preparation and use of solid and semisolid dosage forms. The need for pharmaceutical dosage forms will be discussed, the concept of an optimized drug product will be considered, and the official compendia examined. The theories and technology of disperse systems (emulsions, suspensions), ointments, creams, pastes, gels, lotions, transdermal drug delivery systems, suppositories, tablets, lozenges, powders, capsules, aerosols, and sustained-release formulations will be discussed. Novel drug delivery systems will also be introduced. An overview of the factors to be considered in dosage form design will be presented. The importance of nonmedicinal agents in dosage forms will be explained. Pharmaceutical processes such as comminution, and blending will be covered. Various physical phenomena affecting solid pharmaceuticals will be discussed. Prerequisite(s): PHSC 5580. **(3, Fa)**

PHSC 5600 - Graduate Biopharmaceutics and Pharmacokinetics

The course provides the student with the principles of biopharmaceutics and pharmacokinetics that can be applied to drug product development. This course deals with the complex processes involved in drug release, absorption, distribution, metabolism and elimination. In addition, it gives the student exposure to the pharmacokinetic principles necessary for the assessment of bioavailability and bioequivalence, drug interactions, and for the calculation of dosage regimens. Prerequisite(s): PHSC 5580 and PHSC 5590. **(3, Fa)**

PHSC 5610 - Drug Action-Cardiovascular

The Drug Action courses are designed to address the fundamental aspects of drug action in the context of specific disease states and physiological systems. Each Drug Action course is designed to teach students the fundamental aspects of drug action with regard to physiochemical drug properties, structure-activity relationships, cellular signaling processes, pharmacologic sites of action, drug metabolism, toxicity, and therapeutic indications. Drug Action-Cardiovascular: Focuses on the physiochemical, pharmacodynamic, and pharmacokinetic properties of drugs which are typically used in the management of cardiovascular disease states. Prerequisite(s): PHSC 5540 and PHSC 5550. **(2, Fa)**

PHSC 5620 - Drug Action-Antineoplastics

The Drug Action courses are designed to address the fundamental aspects of drug action in the context of specific disease states and physiological systems. Each Drug Action course is designed to teach students the fundamental aspects of drug action with regard to physiochemical drug properties, structure-activity relationships, cellular signaling processes, pharmacologic sites of action, drug metabolism, toxicity, and therapeutic indications. Drug Action-Antineoplastic: Focuses on the physiochemical, pharmacodynamic, and pharmacokinetic properties of chemotherapy and targeted drugs that are typically used in the management of cancer. Prerequisite(s): PHSC 5540 and PHSC 5550. **(2, Fa)**

PHSC 5630 - Drug Action-Infectious Disease

The Drug Action courses are designed to address the fundamental aspects of drug action in the context of specific disease states and physiological systems. Each Drug Action course is designed to teach students the fundamental aspects of drug action with regard to physiochemical drug properties, structure-activity relationships, cellular signaling processes, pharmacologic sites of action, drug metabolism, toxicity, and therapeutic indications. Drug Action-Infectious Disease: Focuses on the physiochemical, pharmacodynamic, and pharmacokinetic properties of antimicrobial agents that are used in the treatment of human pathological infections. Prerequisite(s): PHSC 5540 and PHSC 5550. **(2, Fa)**

PHSC 5640 - Drug Action-Neuroscience

The Drug Action courses are designed to address the fundamental aspects of drug action in the context of specific disease states and physiological systems. Each Drug Action course is designed to teach students the fundamental aspects of drug action with regard to physiochemical drug properties, structure-activity relationships, cellular signaling processes, pharmacologic sites of action, drug metabolism, toxicity, and therapeutic indications. Drug Action-Neuroscience: Focuses on the physiochemical, pharmacodynamic, and pharmacokinetic properties of drugs which are used for the management of disorder impacting the peripheral and/or central nervous system. Prerequisite(s): PHSC 5540 and PHSC 5550. **(2, Sp)**

PHSC 5700 - Thesis Research

In thesis research courses, the student will work in the laboratory under the guidance of a faculty advisor. The student will develop a unique hypothesis, research question, or product design and in subsequent semesters advance that work toward the completion of the Master's in PharmSci thesis. The course is a pass/fail course, with the grade assigned by the faculty advisor. In the final semester, students must submit a written thesis based on his/her research project to his/or her advisor and the thesis committee to be assessed as satisfactory/non-satisfactory. Prerequisite(s): PHSC 5540 and PHSC 5550. **(2, FaSuSp)**

PHSC 5910 - Medicinal Chemistry/Pharmacology (MCP) IV

The MCP courses integrate the sciences of medicinal chemistry and pharmacology and are designed to teach students how the physiochemical properties governing structure-activity relationships of drugs impact

pharmacodynamics/pharmacokinetic characteristics, therapeutic utility, drug-drug interactions, and associated significant adverse drug reactions. Prerequisite: PHSC 3910 and PHCL 3620 Corequisite: Therapeutics IV **(4, Fa)**

Physical Education Activity

PHED 1030 - Techniques

At the completion of this course, students will be able to proficiently execute a variety of fundamental motor skills (fine and gross motor). These skills will be developed through participating in play, low organized games, lead-up games, rhythm activity, relays, and board games. This is an excellent course for individuals interested in a different approach to physical education. Prerequisite(s): None **(2)**

PHED 1041 - Basic Aerobics

At the completion of this course, students will be able to proficiently execute a variety of dance routines and display knowledge competency in aerobic exercise. Prerequisite(s): None **(1)**

PHED 1050 - Beginning Tennis

At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in tennis. Prerequisite(s): None **(1)**

PHED 1070 - Folk Dancing

At the completion of this course, students will be able to display knowledge, competency and proficiency perform a variety of fundamental steps in traditional folk dances. Prerequisite(s): None **(1)**

PHED 1200 - Step Aerobics

Development of cardiovascular conditioning through aerobic exercise and dance routines. Prerequisite(s): None **(1)**

PHED 1210 - Volleyball and Basketball

At the completion of this course, the students will have an understanding of basic techniques, strategies, and rules of volleyball and basketball. Prerequisite(s): None **(1)**

PHED 2070 - Tai Chi Chuan

At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in Tai Chi Chuan. Prerequisite (s): None **(3)**

PHED 2400 - Beginning Karate

At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in karate. Prerequisite(s): None **(3)**

PHED 2410 - Intermediate Karate

At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in intermediate karate skills. Prerequisite(s): PHED 2400 **(3)**

PHED 2420 - Advanced Karate

At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in advanced karate skills. Prerequisite(s): PHED 2400 and PHED 2410 **(3)**

PHED 3080 - Team and Individual Sports

At the completion of this course, students will be able to display knowledge and competencies in coaching techniques and strategies for a variety of team and individual sports. Prerequisite(s): None **(2)**

PHED 3120 - Advanced Tennis

At the completion of this course, students will be able to display knowledge, competency and proficiency in advanced tennis skills. Prerequisite(s): PHED 1050 or passing score in PHED 0990TE. **(2)**

Physical Education Test-Out

*Upon completion of a test-out course, students will have successfully performed and passed at least 70% of the skills required for their respective sport. **Test-out courses fulfill the core curriculum physical education requirement but do not offer academic credit.**

PHED 1000B - Physical Education Requirement Basketball

New freshman and new transfer students' skills test in basketball. *Upon completion of a test-out course, students will have successfully performed and passed at least 70% of the skills required for their respective sport. Test-out courses fulfill the core curriculum physical education requirement but do not offer academic credit.**(0, FaSp)**

PHED 1000T - Physical Education Requirement Tennis

New freshman and new transfer students' skills test in tennis. *Upon completion of a test-out course, students will have successfully performed and passed at least 70% of the skills required for their respective sport. Test-out courses fulfill the core curriculum physical education requirement but do not offer academic credit.**(0, FaSp)**

PHED 1000Tr - Physical Education Requirement Track

New freshman and new transfer students' skills test in trackl. *Upon completion of a test-out course, students will have successfully performed and passed at least 70% of the skills required for their respective sport. Test-out courses fulfill the core curriculum physical education requirement but do not offer academic credit.**(0, FaSp)**

PHED 1000V - Physical Education Requirement Volleyball

New freshman and new transfer students' skills test in volleyball. *Upon completion of a test-out course, students will have successfully performed and passed at least 70% of the skills required for their respective sport. Test-out courses fulfill the core curriculum physical education requirement but do not offer academic credit.**(0, FaSp)**

Philosophy

PHIL 1030 - Great Books in Philosophy

This course introduces the student to philosophy using the original writings of several philosophers from the classical to the contemporary periods. The goals of this course include developing the student's capacity for critical reading, writing, and thinking, with a general consideration of the nature, methods, and cultural impact of philosophy. This is an Introductory Course. Prerequisite: Completion of any required developmental Reading course. **(3)**

PHIL 1040 - Happiness and the Meaning of Life

This course asks two fundamental questions: what is the meaning of life and what is the nature of happiness? Philosophers from diverse traditions will be our guide as we explore ideas about human nature, happiness, life's purpose, and our place in the universe. By the end of the semester students will be able to clearly identify, analyze, and rationally evaluate the philosophical views taken up in the course. Along the way, students will have opportunities to develop their own ideas on happiness and the meaning of life. Prerequisite(s): Completion of any required developmental reading course. **(3, EXPLORATIONS/Examined Life, FaSp)**

PHIL 1050 - The Quest for Knowledge

This course asks the all-important question: What, if anything, can be known with certainty? Philosophers from diverse traditions, past and present, will be our guides. Their investigations into the acquisition and limits of knowledge will encourage us to examine our own views, and will prepare us to successfully navigate the complex, ever-changing world in which we live. Prerequisite: Completion of any required developmental reading course. **(3, EXPLORATIONS/Examined Life, FaSp)**

PHIL 1060 - Law, Liberty, and Philosophy

This course analyses and critically evaluates distinct and sometimes competing conceptions of civil and political society, focusing on the central role of law and liberty. Primary questions to be addressed include the following: What arguments do philosophers offer to promote these different conceptions? What is the role of nature, economics, and history in these views? How do philosophical arguments on these topics help us think about the meaning of a just and humane society? The course will encourage students to examine their own beliefs about law, liberty, and society, and provide them with the philosophical tools to do so. Prerequisite(s): Completion of any required developmental reading course. **(3, EXPLORATIONS/Examined Life, FaSp)**

PHIL 1070 - Problems in Philosophy

This course introduces the student to philosophy using the fundamental questions of philosophy as well as some of the most outstanding contributions to their solutions, with a general consideration of the nature, methods, and cultural impact of philosophy. The goals of this course include developing the student's capacity for critical reading, writing, and thinking. This is an Introductory Course. Prerequisite: Completion of any required developmental Reading course. **(3)**

PHIL 2000 - Special Topics in Philosophy

Exploration of special philosophical topics in a manner that is challenging yet accessible to the philosophical novice. Topics vary from one semester to the next. Prerequisite: Completion of any required developmental Reading course. **(3)**

PHIL 2011 - Ancient and Medieval Philosophy

This course introduces the student to western philosophy by focusing on the writings of several philosophers from the ancient and medieval periods, including Plato and Aristotle. Topics typically covered include the Socratic method of philosophy, the significance of the human soul, teleological approaches to nature, and the role of faith and reason in the pursuit of knowledge. The goals of this course include improving the student's capacity for critical reading, writing, and thinking. May be taken either as an Introductory Course or an Upper Level Course. Prerequisite: Completion of any required developmental Reading course. **(3, EXPLORATIONS/Examined Life)**

PHIL 2021 - Modern Philosophy

This course introduces the student to western philosophy by focusing on the innovations of the modern age, roughly the period from the mid-17th to the early 19th century. Emphasis will be placed on the philosophical movements known as Rationalism, Empiricism, and Idealism. The goals of this course include improving the student's capacity for critical reading, writing, and thinking. May be taken either as an Introductory Course or an Upper Level Course. Prerequisite: Completion of any required developmental Reading course. **(3, EXPLORATIONS/Examined Life)**

PHIL 2031 - 19th and 20th Century Philosophy

This course introduces the student to western philosophy by exploring some of its major themes from the 19th and 20th centuries. Topics typically covered include: the nature of the self and subjectivity; knowledge; language, meaning, and mind; morality and society; and the future of philosophy. The goals of this course include improving the student's capacity for critical reading, writing, and thinking. May be taken either as an Introductory Course or an Upper Level Course. Prerequisite: Completion of any required developmental Reading course. **(3, EXPLORATIONS/Examined Life)**

PHIL 2040 - Logic

This course provides a systematic study of propositional (sentential) logic and predicate (quantificational) logic through identity with the aim of learning the formal methods of distinguishing correct from incorrect reasoning and application of these methods to various areas of inquiry. The goals of this course include increasing the student's ability to reason rigorously. May be taken either as an Introductory Course or an Upper Level Course. Prerequisite: Completion of any required developmental Reading course. **(3, FaSp)**

PHIL 2045 - Ethics: General Principles

This course offers a study of the nature of ethics and the ethical themes and theories that influence modern culture. The goals of this course include improving the student's capacity for critical reading, writing, and thinking about ethical principles. May be taken either as an Introductory Course or an Upper Level Course. Prerequisite: Completion of any required developmental Reading course. **(3)**

PHIL 2050 - Social and Political Philosophy

This course introduces and critically examines ideas that are essential to understanding and fostering a just and humane society. Typical course topics include the relationship between liberty and equality, the meaning and value of democracy and citizenship, the relation of state and civil society, and the complicated relationship between 'liberalism' and 'conservatism.' Readings will be drawn from both ancient and modern sources. May be taken either as an Introductory Course or an Upper Level Course. Prerequisite: Completion of any required developmental Reading course. **(3)**

PHIL 2070 - Introduction to Bioethics

(THEO 2070) This course introduces and provides a foundation for the interdisciplinary study of Bioethics, engaging in particular the disciplines of Philosophy, Biology, Theology, Public Health Sciences, Psychology, and Sociology. This course is designed to give students a broad overview of the methods, core content areas, and central ethical questions in this field. Prerequisite: Completion of any required developmental Reading course. **(3)**

PHIL 2080 - African American Philosophy

(AADS 2080) This course studies philosophical issues associated with the African American experience. This course will increase the student's knowledge of the nature of African American philosophy, the concepts of race and culture, the nature of racism and discrimination, and the justifiability of affirmative action. May be taken either as an Introductory Course or an Upper Level Course. Prerequisite: Completion of any required developmental Reading course. **(3, EXPLORATIONS/African American Heritage & Legacies, EXPLORATIONS/Examined Life)**

PHIL 2260 - Philosophy of Art

This course will increase the student's knowledge of the theories of art, beauty, art criticism, and creativity. It will focus not only on theoretical understanding of art but also on applications of these theories to the major arts. Prerequisite(s): Completion of any required developmental Reading course. **(3, EXPLORATIONS/Creative Expression & Engagement, EXPLORATIONS/Examined Life)**

PHIL 2270 - Philosophy of Religion

This course will increase the student's knowledge of reasons for and against various fundamental religious beliefs, particularly arguments for the existence of God, the nature and significance of religious experience, the nature of religious faith, and the place of religion in culture as a whole. Prerequisite(s): Completion of any required developmental Reading course. **(3, EXPLORATIONS/Examined Life)**

PHIL 2400 - Health Ethics

This course will survey a range of ethical issues pertaining to the health professions. Topics to be examined typically include: professional obligations and the physician-patient relationship, abortion, euthanasia, genetic research, experimentation, and the claim to health-care. Classroom time will be devoted to discussion of philosophical essays and case scenarios concerning these topics. Prerequisite: 3 semester hours in philosophy. **(3, FaSp)**

PHIL 2410 - Business Ethics

This course will survey a range of ethical issues arising in our contemporary culture that we as individuals will encounter while working in institutions, business organizations, and the professions. Among the ethical issues to be examined typically are: the ethical basis of business, the rights and responsibilities of corporations and their employees, and the relations of business to society and the individual. Prerequisite: 3 semester hours in philosophy. **(3, FaSp)**

PHIL 3000 - Special Topics Seminar in Philosophy

(XCOR 3010) Critical exploration and analysis of selected philosophical issues through a seminar format that emphasizes discussion and student participation. Topics vary according to the interests of students and faculty, and change from one semester to the next. Prerequisite: 3 semester hours in philosophy. **(3)**

PHIL 3015 - Aristotle in New Orleans

(XCOR 3010) This course combines traditional classroom learning and service learning. The course is designed around Aristotle's insight that action and philosophical reflection must inform one another if we are to properly understand ourselves and live well. In the classroom, students will study writings by Aristotle and others on the nature of rhetoric, argument, education, and virtue. Students will also learn the fundamentals of formal debate. Outside the classroom, students will participate in a seven week service learning project that involves coaching New Orleans middle school debate teams. Prerequisite(s): XCOR 1011 or XCOR 1012; completion of at least 60 hrs. **(3)**

PHIL 3025 - The Ideal Society

(ENGL 3025, THEO 3025, XCOR 3010) This is an interdisciplinary course which employs humanistic methods to explore religious, philosophical and literary conceptions of an ideal society. Students will use literary works to inspire and imagine their own model of an ideal society, while learning to justify its values and structures rationally and with recourse to theological reflection. Prerequisites: ENGL 1010; Three Semester Hours in Philosophy (No Theology prerequisites) **(3)**

PHIL 3050 - Ethics at the End of Life

(DGHU 3080 and XCOR 3010). In this course, students will be asked to consider their own research interests in light of the goals and values of patients. End-of-life issues accomplish this task uniquely, because our ability to manage symptoms has far outpaced our ability to cure disease. How should we regard the wishes of patients who are chronically sick, slowly losing cognitive function, or even terminally ill? If the confrontation with one's own mortality is, to a large degree, a personal issue, then how should we understand patient pain and suffering? While it is true that end-of life issues raise significant questions about the purpose and limits of scientific research, they also introduce equally important questions about what we can claim ethically about someone else's confrontation with mortality. For this reason, students will be challenged to move beyond both dogmatic scientific claims and abstract ethical arguments. **(3)**

PHIL 3250 - Philosophy of Science

This course will increase the student's knowledge of the scientific method, the nature of science, and the relationship of science to other academic disciplines and to culture at large. Prerequisite: 3 semester hours in philosophy. **(3)**

PHIL 3260 - Philosophy of Law

This course examines the relationship between law and morality, with particular attention to the use of moral principles in the analysis of legal doctrine. Prerequisite: 3 semester hours in philosophy. **(3)**

PHIL 3400 - Ethical Conduct in Scientific Research

This course is a philosophical examination of ethical issues in scientific research. The students will practice recognizing ethical problems in research and resolving them in a well-reasoned manner. Students will examine the prevailing legal and professional norms of ethical research, as well as the broader values those norms reflect. Research ethics is about not only what a researcher does but also the type of person he or she is. This course thus considers the important roles that virtue and integrity play in research ethics. Specific ethical issues to be examined include: the treatment of data, mistakes and negligence, research misconduct, intellectual property, and the human genome project. Prerequisite(s): 3 semester hours in Philosophy. **(3)**

PHIL 4001 - Directed Reading

This course allows philosophy majors (and other interested students with the consent of the instructor) to pursue a research project in philosophy. Prerequisite: six semester hours in philosophy and permission of department head. **(1)**

PHIL 4002 - Directed Reading

This course allows philosophy majors (and other interested students with the consent of the instructor) to pursue a research project in philosophy. Prerequisite: six semester hours in philosophy and permission of department head. **(2)**

PHIL 4003 - Directed Reading

This course allows philosophy majors (and other interested students with the consent of the instructor) to pursue a research project in philosophy. Prerequisite: six semester hours in philosophy and permission of department head. **(3)**

PHIL 4900 - Senior Thesis

This course is required of all philosophy majors. The student will pursue a research topic under the guidance of a philosophy instructor. The research will culminate in a scholarly paper. Students should make plans to enroll in this course at least one semester prior to enrollment, including arranging supervision by an instructor with expertise and interest in the student's area of interest. Prerequisite: senior standing. **(3)**

PHIL 4999 - Senior Comprehensives

(0)

Physician Assistant

The Fall (Fa), Spring (Sp), or Summer (Su) sessions indicated are expected but are not guaranteed.

PHAS 5011 - Basic Science I

This is the first in a series of courses designed to develop an understanding of normal physiology, genetics, pathologic, and pathophysiologic concepts of diseases per organ system, and clinical anatomy with an emphasis on important anatomical landmarks required in physical evaluation of patients, anatomical relationships of structures to each other, and anatomical components of body systems. Sequence aligns with the clinical medicine organ system. Prerequisite(s): Admission to the physician assistant program. **(2, Sp)**

PHAS 5012 - Basic Science II

This is the second in a series of courses designed to develop an understanding of normal physiology, genetics, pathologic, and pathophysiologic concepts of diseases per organ system, and clinical anatomy with an emphasis on important anatomical landmarks required in physical evaluation of patients, anatomical relationships of structures to each other, and anatomical components of body systems. Sequence aligns with the clinical medicine organ system. Prerequisite(s): Successful completion of PHAS 5011 with a grade of a C or better. **(2, Su)**

PHAS 5013 - Basic Science III

This is the third in a series of courses designed to develop an understanding of normal physiology, genetics, pathologic, and pathophysiologic concepts of diseases per organ system, and clinical anatomy with an emphasis on important anatomical landmarks required in physical evaluation of patients, anatomical relationships of structures to each other, and anatomical components of body systems. Sequence aligns with the clinical medicine organ system. Prerequisite(s): Successful completion of PHAS 5012 with a grade of a C or better. **(2, Fa)**

PHAS 5021 - Clinical Medicine I

This is the first in a series of courses designed to provide an intensive study of human diseases and disorders, using a lifespan approach from pediatrics to geriatrics, in the areas of clinical medicine including epidemiology, etiology, historical data, clinical manifestations, progression, therapeutic management, prevention, laboratory medicine and prognosis. This course will be facilitated through lecture and problem-based learning. Prerequisite(s): Admission to the physician assistant program. **(5, Sp)**

PHAS 5022 - Clinical Medicine II

This is the second in a series of courses designed to provide an intensive study of human diseases and disorders, using a lifespan approach from pediatrics to geriatrics, in the areas of clinical medicine including epidemiology, etiology, historical data, clinical manifestations, progression, therapeutic management, prevention, laboratory medicine and prognosis. This course will be facilitated through lecture and problem-based learning. Prerequisite(s): Successful completion of PHAS 5021 with a grade of a C or better. **(6, Su)**

PHAS 5023 - Clinical Medicine III

This is the third in a series of courses designed to provide an intensive study of human diseases and disorders, using a lifespan approach from pediatrics to geriatrics, in the areas of clinical medicine including epidemiology, etiology, historical data, clinical manifestations, progression, therapeutic management, prevention, laboratory medicine and prognosis. This course will be facilitated through lecture and problem-based learning. Prerequisite(s): Successful completion of PHAS 5022 with a grade of a C or better. **(5, Fa)**

PHAS 5031 - Clinical Laboratory Medicine I

This is the first in a series of courses designed to develop a functional understanding of the appropriate uses and interpretations of clinical diagnostic testing, including radiographic and EKG testing. Students will learn to select, interpret and evaluate clinical laboratory, imaging and other diagnostic tests used for diagnosing, treating and managing patient needs. Prerequisite(s): Admission to the physician assistant program. **(1, Su)**

PHAS 5032 - Clinical Laboratory Medicine II

This is the second in a series of courses designed to develop a functional understanding of the appropriate uses and interpretations of clinical diagnostic testing, including radiographic testing. Students will learn to select, interpret and evaluate clinical laboratory, imaging and other diagnostic tests used for diagnosing, treating and managing patient needs. Prerequisite(s): Successful completion of PHAS 5031 with a grade of a C or better. **(1, Fa)**

PHAS 5041 - Pharmacotherapeutics I

This is the first in a series of courses designed to develop skills related to the principles of pharmacology as they pertain to therapeutic agents, prescription and non-prescription. Discussion will include the principal mechanisms of action of the major classes of therapeutic agents, understanding of pharmacodynamics, uses, side effects, toxicities, compliance, monitoring parameters, drug interaction, and cost. A rational and evidence based approach to the selection of medications to be prescribed, and studies of medications used in the treatment of acute and chronic illnesses across the lifespan will be presented. Prerequisite(s): Admission to the physician assistant program. **(3, Sp)**

PHAS 5042 - Pharmacotherapeutics II

This is the second in a series of courses designed to develop skills related to the principles of pharmacology as they pertain to therapeutic agents, prescription and non-prescription. Discussion will include the principal mechanisms of action of the major classes of therapeutic agents, understanding of pharmacodynamics, uses, side effects and toxicities. A rational and evidence based approach to the selection of medications to be prescribed, and studies of medications used in the treatment of acute and chronic illnesses across the lifespan will be presented. Prerequisite(s): Successful completion of PHAS 5041 with a grade of a C or better. **(3, Su)**

PHAS 5043 - Pharmacotherapeutics III

This is the third in a series of courses designed to develop skills related to the principles of pharmacology as they pertain to therapeutic agents, prescription and non-prescription. Discussion will include the principal mechanisms of action of the major classes of therapeutic agents, understanding of pharmacodynamics, uses, side effects and toxicities. A rational and evidence based approach to the selection of medications to be prescribed, and studies of medications used in the treatment of acute and chronic illnesses across the lifespan will be presented. Prerequisite(s): Successful completion of PHAS 5042 with a grade of a C or better. **(3, Fa)**

PHAS 5051 - Patient Assessment I

This is the first in a series of courses designed to develop the knowledge and skills required to obtain and record the complete medical history, use of appropriate equipment, proper techniques and accurate medical terminology to document findings; course will provide an overview of the medical record as well as development of writing and organizational skills for medical record keeping and oral presentation skills. Skills will be developed through structured laboratory exercises. Prerequisite(s): Admission to the physician assistant program. **(3, Sp)**

PHAS 5052 - Patient Assessment II

This is the second in a series of courses designed to develop the knowledge and skills required to obtain and record the complete medical history, use of appropriate equipment, proper techniques and accurate medical terminology to document findings; course will provide an overview of the medical record as well as development of writing and organizational skills for medical record keeping and oral presentation skills. Skills will be developed through structured laboratory exercises. Prerequisite(s): Successful completion of PHAS 5051 with a grade of a C or better. **(3, Su)**

PHAS 5053 - Patient Assessment III

This is the third in a series of courses designed to develop the knowledge and skills required to obtain and record the complete medical history, use of appropriate equipment, proper techniques and accurate medical terminology to document findings; course will provide an overview of the medical record as well as development of writing and organizational skills for medical record keeping and oral presentation skills. Skills will be developed through structured laboratory exercises. Prerequisite(s): Successful completion of PHAS 5052 with a grade of a C or better. **(3, Fa)**

PHAS 5061 - The Patient and the PA I

This is the first in a series of courses designed to develop skills in the area of patient communication, patient counseling, patient education and cultural diversity and how they influence all aspects of medical practice. Instruction is focused on the detection and application of preventive measures and treatment of health risk behaviors including stress, abuse and violence, substance abuse, sexuality, end-of-life issues and reaction to illness. The course will also have discussions on medical ethics to include confidentiality, truth telling, competency, making informed decisions and other ethical issues. Prerequisite(s): Admission to the physician assistant program. **(1, Sp)**

PHAS 5062 - The Patient and the PA II

This is the second in a series of courses designed to develop skills in the area of patient communication, patient counseling, patient education and cultural diversity and how they influence all aspects of medical practice. Instruction is focused on the detection and application of preventive measures and treatment of health risk behaviors including stress, abuse and violence, substance abuse, sexuality, end-of-life issues and reaction to illness. The course will also have discussions on medical ethics to include confidentiality, truth telling, competency, making informed decisions and other ethical issues. Prerequisite(s): Successful completion of PHAS 5061 with a grade of a C or better. **(1, Su)**

PHAS 5063 - Intercultural Communications

This course is designed to familiarize students with basic concepts, approaches, processes, and contexts, which form the foundation for critical discussion of cross-cultural interaction. Prerequisite(s): Successful completion of PHAS 5061 and PHAS 5062 with a grade of a C or better. **(1, Fa)**

PHAS 5071 - PA Professional Practice

This course is designed to aid the student in the transition into the medical profession and serves as an introduction to professional practice issues. Areas of discussion include history of the physician assistant profession, the PA-Physician team, professional organizations, licensing and credentialing, malpractice, professionalism, healthcare delivery, reimbursement issues including Medicaid and Medicare, health literacy, diversity issues, domestic violence and end of life issues. Prerequisite(s): Admission to the physician assistant program. **(1, Sp)**

PHAS 5072 - Medical Informatics

This course will cover the importance of evidence-based medicine and review basic statistical, research methods and ethical standards in research. It will also cover the interpretation and application of various types of clinical articles to answering a clinical question and prepare the student for the project to be completed during the clinical year. Prerequisite(s): Admission to the physician assistant program and completion of prior semester's coursework with a grade of a C or better. **(1, Su)**

PHAS 5081 - Community Outreach Project I

This is the first in a series of courses designed to support several aspects of our mission to promote a more just and humane while providing service to the medically underserved in the form of an educational presentation to a community group. Students select a topic of interest for health promotion/disease prevention to present to the target group to improve health outcomes. Prerequisite(s): Admission to the physician assistant program. **(0, Sp)**

PHAS 5082 - Community Outreach Project II

This is the second in a series of courses designed to support several aspects of our mission to promote a more just and humane while providing service to the medically underserved in the form of an educational presentation to a community group. Students select a topic of interest for health promotion/disease prevention to present to the target group to improve health outcomes. Prerequisite(s): Completion of PHAS 5081 with a Pass. **(0, Su)**

PHAS 5083 - Community Outreach Project III

This is the third in a series of courses designed to support several aspects of our mission to promote a more just and humane while providing service to the medically underserved in the form of an educational presentation to a community group. Students select a topic of interest for health promotion/disease prevention to present to the target group to improve health outcomes. Prerequisite(s): Completion of PHAS 5082 with a Pass. **(0, Fa)**

PHAS 5093 - Clinical Integration

This course will prepare the student for the upcoming clinical year. The focus will be on procedures, such as bedside and surgical procedures including aseptic technique, air and blood-borne pathogen transmission prevention, phlebotomy, IV placement, foley catheter insertion, lumbar puncture, injections, surgical techniques and casting, as well as on the emergency management of a wide variety of diseases and disorders. Prerequisite(s): Completion of prior semester's coursework with a grade of a C or better. **(2, Fa)**

PHAS 5101 - Core Topics I

This course is the first in a series designed to aid the student in being successful in clinical rotations, presenting unique cases, discussion of novel topics, and encourage preparation for the Physician Assistant National Certification Examination (PANCE) by means of monthly examinations used to develop and assess the student's competency in the stated PA Program Goals/ Student Learning Outcomes. This course will meet on campus at the end of rotation activities. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and meeting all requirements to enter into the clinical phase of the program. **(1, Sp)**

PHAS 5102 - Core Topics II

This course is the second in a series designed to aid the student in being successful in clinical rotations, presenting unique cases, discussion of novel topics, and encourage preparation for the Physician Assistant National Certification Examination (PANCE) by means of monthly examinations used to develop and assess the student's competency in the stated PA Program Goals/ Student Learning Outcomes. This course will meet on campus at the end of rotation activities. Prerequisite(s): Successful completion of PHAS 5101 with a grade of a C or better. **(1, Su)**

PHAS 5103 - Core Topics III

This course is the third in a series designed to aid the student in being successful in clinical rotations, presenting unique cases, discussion of novel topics, and encourage preparation for the Physician Assistant National Certification Examination (PANCE) by means of monthly examinations used to develop and assess the student's competency in the stated PA Program Goals/ Student Learning Outcomes. This course will meet on campus at the end of rotation activities. Prerequisite(s): Successful completion of PHAS 5101 and PHAS 5102 with a grade of a C or better. **(1, Fa)**

PHAS 5111 - Supervised Practice-Family Medicine

This 4 week clinical course will be within a Family Medicine clinic setting. Students in this course will be able to refine their skills in performing a history and physical exam, ordering and interpreting diagnostic tests and developing treatment plans for patients. This course provides the PA student with experience in the outpatient evaluation and treatment of pediatric and adult patients, including preventive medicine, acute and chronic illness, and patient education. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5121 - Supervised Practice-Internal Medicine

This 4 week clinical course will be within an Internal Medicine practice. It will include a substantial inpatient experience for the PA student to gain knowledge of the evaluation and treatment of the multiple diseases and conditions of the adult and geriatric population requiring hospitalization. Students will perform history and physical examinations, obtain diagnostic testing and present their data along with proposed differential diagnoses and treatment plans. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA

of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5131 - Supervised Practice-Pediatrics

This 4 week clinical course will provide the PA student with experience in outpatient and/or in-patient management of pediatric patients. The student will have the opportunity to perform well child exams, problem oriented exams, evaluate common pediatric illnesses, and the care of the newborn, infants, children, and adolescents. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5141 - Supervised Practice-General Surgery

This 4 week clinical course will be within a surgical practice. PA students will participate in Operating Room (OR) cases and hospital consultations as well as clinic based cases and visits in caring for conditions that require surgical management. This will include pre-operative, intra-operative, and post- operative care. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5151 - Supervised Practice-Emergency Medicine

This 4 week clinical course will be within a hospital Emergency Department. PA students will gain knowledge and learn skills relevant to the triage, stabilization, diagnosis, and management of acute, life- threatening injuries and illnesses as well as the care of less threatening conditions. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5161 - Supervised Practice-Behavioral Health

This 4 week clinical course will provide the PA student with a behavioral medicine experience in caring for ambulatory and/or hospitalized patients with psychiatric disorders. The student will perform basic psychiatric evaluations, monitor medications, and support the clinical management plan for patients after psychiatric evaluation and treatment. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5171 - Supervised Practice-Women's Health

This 4 week clinical course provides the PA student with experience in managing common gynecologic disorders. Emphasis is placed on learning experiences in family planning and birth control, the recognition and treatment of sexually transmitted infections, cancer detection and prevention, prenatal care and the evaluation and treatment of common ambulatory gynecologic problems. The obstetric experience will include routine prenatal and postpartum care. It will include labor & delivery when possible. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5181 - Supervised Practice-Elective

This 4 week clinical course is intended to provide the student with supervised experiential training in an area that he/she might have a special interest in but was unable to experience during other clinical rotations. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or

higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5191 - Supervised Practice-Elective

This 4 week clinical course is intended to provide the student with supervised experiential training in an area that he/she might have a special interest in but was unable to experience during other clinical rotations. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(4, Sp, Su, Fa)**

PHAS 5211 - PA Externship Elective I

This 4 week clinical course is intended to provide the student with more advanced supervised experiential training in an area that he/she might have a special interest in or in an area that a student may be assessed by a preceptor for the possibility of employment. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(3, Sp)**

PHAS 5212 - PA Externship Elective II

This 4 week clinical course is intended to provide the student with more advanced supervised experiential training in an area that he/she might have a special interest in or in an area that a student may be assessed by a preceptor for the possibility of employment. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(3, Sp)**

PHAS 5221 - Interprofessional Experience

This course is designed to prepare clinical PA students to work collaboratively in interprofessional patient centered teams. It provides students with an experience to learn the principles of interprofessional practice and apply these principles by directly communicating with other health care professionals of different disciplines beyond the traditional physician -PA team. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(1, Fa)**

PHAS 5231 - Summative Course

Students must demonstrate competency to practice medicine as an entry level PA. This course allows the student to demonstrate the knowledge, interpersonal skills, patient care skills, and professionalism required to enter clinical practice. Prerequisite(s): Successful completion or remediation of all didactic coursework with a grade of a C, a cumulative GPA of a 3.0 or higher, and successful completion or accommodation for deficiencies for all prior SCPEs required for all rotations. **(2, Sp)**

PHAS 5241 - Capstone Project

This course is a follow up to Medical Informatics. It is designed to allow the PA student to complete a Master's Project under the guidance of a faculty advisor. Students may identify an area of medicine, disease process or condition, conduct research, and produce a paper worthy of publication. The student may also perform a learning service project resulting in a paper worthy of publication or product for use in the community. The student will prepare and present an

oral presentation on their topic. Prerequisite(s): Successful completion of PHAS 5072 with a grade of a C or better. **(1, Sp)**

Physics

A grade of C or better in a prerequisite course is required before a student may progress to the next course.

PHYS 1010 - General Astronomy

This is a survey course in astronomy and open to any student with an interest in astronomy (regardless of major) and satisfies the natural science requirement. Topics will be chosen from such areas as history of astronomy, telescopes, the solar system and its origin, stellar evolution, galaxies, cosmology and life in the universe. It includes one laboratory session per week. Prerequisite(s): None. **(3, EXPLORATIONS/Scientific Reasoning)**

PHYS 1121 - Physics I for PHYS and ENGR

Usually offered fall and spring semesters. First of a three-course sequence (PHYS 1121 - PHYS 1141 - PHYS 2530) for majors in physics and engineering treating the fundamental laws and principles of the various fields of physics: mechanics, relativity. Lecture and laboratory courses are integrated in a classroom equipped with computers, interfaced probes and traditional laboratory equipment that enhances the interactive learning, hands-on experiences and conceptual understanding of physics. Three two hour lecture/lab sessions and one one-hour problem session per week. Corequisite(s): MATH 1070. **(4, EXPLORATIONS/Scientific Reasoning)**

PHYS 1141 - Physics II for PHYS and ENGR

Usually offered fall and spring semesters. Second of a three-course sequence (PHYS 1121 - PHYS 1141 - PHYS 2530) for majors in physics and engineering treating electricity and magnetism, electromagnetic waves, physical optics, and modern physics. Lecture and laboratory courses are integrated in a class room equipped with computers, interfaced probes and traditional laboratory equipment that enhances the interactive learning, hands-on experiences and conceptual understanding of physics. Three two-hour lecture/lab sessions and one one-hour problem session per week. Prerequisite(s): PHYS 1121. Corequisite(s): MATH 2080. **(4)**

PHYS 1530 - How Things Work (Non-science majors)

An introduction, for non-science majors, to basic concepts and principles of physics by learning how objects from everyday life, such as air conditioners, bicycles or microwave ovens, work, including sound and acoustics. It includes one laboratory session per week. **(3, EXPLORATIONS/Scientific Reasoning)**

PHYS 2010 - General Physics I

Offered each semester and 1st summer session. First of a two-course sequence (PHYS 2010-PHYS 2020) treating the fundamental laws and principles of the various fields of physics: mechanics and heat. Prerequisite(s): Grade of "C" or better in MATH 1030. **(3, EXPLORATIONS/Scientific Reasoning)**

PHYS 2010L - General Physics I Laboratory

Offered each semester and 1st summer session. First of a two-course sequence (PHYS 2010L-PHYS 2020L) treating the fundamental laws and principles of the various fields of physics: mechanics and heat. Prerequisite(s): Grade of "C" or better in MATH 1030. **(1)**

PHYS 2020 - General Physics II

Offered each semester and 2nd summer session. Second of a two-course sequence (PHYS 2010-2020) treating waves, sound, electricity and magnetism, optics and modern physics. Prerequisite(s): PHYS 2010. **(3)**

PHYS 2020L - General Physics II Laboratory

Offered each semester and 2nd summer session. Second of a two-course sequence (PHYS 2010L-2020L) treating waves, sound, electricity and magnetism, optics and modern physics. Prerequisite(s): PHYS 2010. **(1)**

PHYS 2060 - Physics of Music

This is a survey course on the physics of music. Topics covered include waves, interference, harmonics, chords, tuning, hearing, singing and how instruments produce the sounds we hear. This course has a lab component. **(2, EXPLORATIONS/Scientific Reasoning)**

PHYS 2060L - Physics of Music Laboratory

This is a survey course on the physics of music. Topics covered include waves, interference, harmonics, chords, tuning, hearing, singing and how instruments produce the sounds we hear. **(1)**

PHYS 2510 - Computational Science & Engineering

MATH 2510 Introduction in the use of numerical modeling techniques for solving problems in physics, chemistry, and biology. Initially students will be instructed on the use of numerical modeling software MATLAB and then topics within different fields will be used as a context for learning and applying numerical techniques to solve complex systems problems. The Course will cover simple but fundamental aspects of computer simulations with application to selected physical systems. The focus will be on the strategy for the solution of numerical problems, their computer implementation and analysis of the results. The course will have two lectures and one lab every week. No prior programming experience is required. Prerequisite(s): MATH 2070. **(3, EXPLORATIONS/Scientific Reasoning)**

PHYS 2530 - Vibrations and Waves

Usually offered fall and spring semester. Mechanical vibrations and waves, simple harmonic motion, superposition, forced vibrations and resonance, coupled oscillations and normal modes, vibrations of continuous systems. Geometrical optics, including reflection and refraction from plane and curved surfaces, and physical (wave) optics, including interference and diffraction. Prerequisite(s): PHYS 1141 or PHYS 2020 and MATH 2070. **(3)**

PHYS 2550 - Introduction to Materials Science

Introduction to the basic concepts of materials science. Students will learn the basics of bonding, lattice structures and crystallography, including reading materials phase diagrams, and will be introduced to the electrical, magnetic, optical, and thermodynamic properties of solids. Prerequisite(s): CHEM 1120/1120D or CHEM 1020/1020D and PHYS 2530 or PHYS 2020. **(3)**

PHYS 2550L - Materials Science Laboratory

Experiments stressing the depostion of materials, characterization of their crystal properties, and measurement of their physical properties. Corequisite(s): PHYS 2550. **(1)**

PHYS 2630 - Analytical Methods for Physics and Engineering

(ENGR 2630) An introduction of methods of mathematical physics used in physics and engineering such as vector and tensor analysis, Fourier analysis techniques, phasors, special functions, variation subject to constraints and elementary renormalization group techniques. The topics are introduced in the context of specific physics and engineering problems in electricity and magnetism, network analysis, modern physics, thermodynamics and mechanics. *Prerequisite(s): PHYS 2530 and MATH 2080. Corequisite(s): MATH 2530.* **(3)**

PHYS 3010 - Electricity and Magnetism I

(ENGR 3010) Usually offered fall semester. A complete development of electromagnetic theory beginning with the fundamental laws of electricity and magnetism, culminating with the development of Maxwell's equations, and ending with a treatment of plane electromagnetic waves. Prerequisite(s): PHYS 2530 , PHYS 2630, MATH 2030, and MATH 2080. **(3)**

PHYS 3011 - Electricity and Magnetism II

Usually offered spring semester. A selection of more advanced topics in electromagnetism such as fields in material media, Laplace and Poisson's equations, topics from relativity, electromagnetic waves in waveguides and in conducting media, and gauge transformations. Prerequisite(s): PHYS 3010. **(3)**

PHYS 3020 - Mechanics-Dynamics

(ENGR 2020) Usually offered fall semester. Systematic presentation of elements of classical mechanics using language of vector algebra and vector calculus. Topics include kinematics, kinetics, work, energy, impulse, and momentum. Prerequisite(s): PHYS 2530 and MATH 2080. **(3)**

PHYS 3040 - Thermodynamics

(ENGR 3040) Usually offered spring semester. Study of heat and temperature, the thermodynamics laws, work, ideal gases, engines, refrigeration, reversibility, entropy, phase transitions. Prerequisite(s): PHYS 2530 or PHYS 2020. **(3)**

PHYS 3050 - Modern Physics

Usually offered fall semester. Survey course on topics in contemporary physics. These include elements of the special theory of relativity, wave-particle duality, and elements of quantum theory as it applies to atoms, nuclei, molecules, and solids. Prerequisite(s): PHYS 2530 or PHYS 2020 and MATH 2070. **(3)**

PHYS 3060 - Medical Physics

Usually offered fall semester. Offers a broad view of medical imaging techniques designed to provide students with an appreciation for and an understanding of the several imaging techniques to diagnose several diseases. Topics include optical, ultrasound, x-ray, gamma ray, and magnetic resonance imaging. Prerequisites and Corequisites: PHYS 2010 and PHYS 2020 or permission of the instructor. **(3)**

PHYS 3120 - Circuits I

(ENGR 2120) Usually offered spring semester. An introduction to the analysis of linear, time-invariant circuits in response to steady-state and time-varying signals using various analytical tools including Kirchhoff's laws, and Thevenin's and Norton's theorems. Prerequisite(s): PHYS 2530 and PHYS 2630 and MATH 2030. **(3)**

PHYS 3160 - Biomedical Physics

BIOL 3160 This course is designed specifically for students pursuing careers in medicine or those related to human health. Interdisciplinary in nature, it covers principles of physics that are essential in understanding real life phenomena, with particular focus on applications in medicine and human health. Ideal for students interested in nursing, diagnostic medicine, biomedical research, physiotherapy, or veterinary medicine. Prerequisites: Completion, with a grade of "C" or better, BIOL 1240 / BIOL 1240L and PHYS 2010 / PHYS 2010L . Corequisite: PHYS 2020 / PHYS 2020L is recommended but not essential. **(3)**

PHYS 3210 - Mechanics-Statics

(ENGR 2210) Usually offered spring semester. Analysis of systems and bodies considering the fundamental concepts of statics, including vectors, two-dimensional and three-dimensional force systems, equilibrium, friction, centroids, and moments of inertia. Prerequisite(s): PHYS 2530 and MATH 2080. **(3)**

PHYS 3310L - Advanced Laboratory

Usually offered fall semester. For physics and engineering majors. Sophisticated experiments in optics and Modern Physics. Prerequisite(s): PHYS 2530 or PHYS 3050 and MATH 2080. **(1)**

PHYS 3320L - Advanced Laboratory

Usually offered spring semester. For physics and engineering majors. Sophisticated experiments in electricity and magnetism, circuits and electronics. Prerequisite(s): PHYS 2530 or PHYS 3011 and MATH 2080. **(1)**

PHYS 3510S - Physics and Engineering Seminar

Usually offered fall semester. A seminar course for junior and senior physics and engineering majors, in which each student makes an oral and written presentation on a topic in physics or engineering. Prerequisite(s): PHYS 2530. **(1)**

PHYS 3520S - Physics and Engineering Seminar

Usually offered spring semester. A seminar course for junior and senior physics and engineering majors, in which each student makes an oral and written presentation on a topic in physics or engineering. Prerequisite(s): PHYS 2530. **(1)**

PHYS 3560 - Nanotechnology

Introduction to mesoscopic physics and nanotechnology based upon it with one, two or three nanoscale dimensions. Physical topics include thermal fluctuations, quantum statistics, and scaling. Technological topics include quantum tunneling devices, spintronics, and quantum computing. Prerequisite(s): CHEM 1020/1020D and PHYS 2530 or PHYS 2020 or permission of the instructor. **(3)**

PHYS 3999 - Qualifying Examination for Dual Degree Engineering Majors.

(0)

PHYS 4050 - Quantum Physics

Usually offered spring semester. The concepts and the mathematical methods of quantum mechanics. Topics include Schrodinger's equation in time-dependent and time-independent forms; one- and three-dimensional solutions including the treatment of angular momentum and spin. Applications to simple systems such as the hydrogen atom, simple harmonic oscillator, and periodic potentials. Prerequisite(s): PHYS 3050. **(3)**

PHYS 4200 - Physics Projects

Usually offered fall semester. Detailed study (literature search) of one or more topics in physics. The student will submit a report on his/her study. One two-hour meeting per week. Prerequisite(s): Permission of chairperson or advisor. **(1)**

PHYS 4210 - Physics Projects

Usually offered fall and spring semesters. Detailed study (discussion or experimentation) of one or more topics in physics. The student will make an oral presentation on his/her study. One two-hour meeting per week. Prerequisite(s): Permission of chairperson or advisor. **(2)**

PHYS 4530 - Special Topics

Topics may vary from semester to semester. Prerequisite(s): Permission of the instructor. **(3)**

PHYS 4540 - Special Topics

Topics may vary from semester to semester. Prerequisite(s): Permission of the instructor. **(3)**

PHYS 4999 - Senior Comprehensives

(0)

Political Science

PSCI 1010 - Introduction to Political Science

This course introduces students to the fundamental concepts and principles of political life. Focus is placed on the development of the state; the role of ideology and political participation, particularly with attention to the impact of the individual on politics. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior, FaSpSu)**

PSCI 1020 - American Government

Issues of American politics, including the Constitution, federalism, interest groups, political parties and elections, presidency, congress, courts, the Bill of Rights, and political equality. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior, FaSpSu)**

PSCI 2010 - Research Methods

Origin of the discipline of political science and the understanding of the scientific method as it relates to the discipline. Research approaches and techniques in contemporary political science. Prerequisite: completion of all developmental mathematics requirements. **(3, Fa)**

PSCI 2040 - International Relations

Basic orientation to the study of international politics, objectives of nations' foreign policy, patterns of interaction among nations, transnational organizations, intergovernmental organizations, and non-state actors in the contemporary world, stressing the nature and sources of international conflict. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior, Fa)**

PSCI 2050 - Introduction to Public Policy and Administration

(PADM 2050) This course is an introduction to the essential skills useful to public administrators and policy analysts seeking to work in an analytical or managerial position in the public or not-for profit-sectors. It is designed to familiarize students with the principles and contextual restraints that form the program environment of the contemporary public manager. It will cover the basic development, content, administration, and evaluation of public policy in the American political system. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior, SpSu)**

PSCI 2060 - International Law and Politics

This course provides an examination of the nature and role of international law. Reviews the effects and limitations international law has on the actions and policies of nation-states in contemporary world politics. Prerequisite(s): None **(3)**

PSCI 2100 - Law, Politics, and Society

(XCOR 3010) This course provides an introduction to the ways in which legal, political, and societal institutions interact and are interdependent. Particular attention is paid to the structures of legal institutions and the impact those structures have on the communities they oversee. Prerequisite(s): None **(3, Fa)**

PSCI 2120 - Judicial Process

This course provides an examination of the major participants (lawyers, judges, juries, interest groups) in the court system and the structure and rules in criminal and civil trial and appellate proceedings. Prerequisite(s): None **(3, Sp)**

PSCI 2240 - Politics of Gender and Sexuality

(WMST 2240) This course examines gender and sexuality as political identities in comparative context. It will address the impact of gender and sexuality on individual political behavior as well as the impact of political movements on these political identities. In addition, the course will address how governments and the political arena define gender and its relationship to sexuality. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior)**

PSCI 2410 - Public Opinion and Voting Behavior

This course will examine two core issues in democracy: the formation and dynamics of public opinion through political socialization; and how public opinion influences political participation. Prerequisite(s): PSCI 1020 **(3, Fa)**

PSCI 2440 - Black Politics

(AADS 2440) This course will examine basic approaches to the study of Black politics. An examination of the nature of racism and the methods employed by Blacks to overcome oppression. Prerequisite(s): None **(3, FaSu)**

PSCI 2511 - Quantitative Analysis

This course will offer a survey of introductory statistics examining both descriptive and inferential statistical processes. Prerequisite: completion of all developmental mathematics requirements and PSCI 2010. **(3, Sp)**

PSCI 3010 - Comparative Politics

This course will survey different types of political systems and make cross-national comparisons of government and politics of some major nations in Europe, Asia, Africa, the Caribbean, and North America. Prerequisite(s): PSCI 1020. **(3, Sp)**

PSCI 3100 - Constitutional Law

(XCOR 3010) Development of the American Constitution as reflected in decisions of the Supreme Court; focuses on powers of the three branches of government and the relationship of national government to states. Recommended for pre-law students. Prerequisite(s): None **(3, Fa)**

PSCI 3110 - Civil Rights and Civil Liberties

(XCOR 3010) Personal liberties under the Bill of Rights (such as freedom of speech, press, etc.) and the Fourteenth Amendment (due process, equal protection) as reflected in decisions of the Supreme Court. Recommended for pre-law students. Prerequisite(s): None **(3, Sp)**

PSCI 3133 - Mock Trial and Debate

(CMST 2133) An introduction to the techniques of argumentation and debate applied to trial courts and the judicial process. Prerequisite: CMST 1010 **(3, Sp)**

PSCI 3240 - Political Psychology

This course will include a survey of psychological influences on political behavior; socialization and leadership styles; person and state perceptions; conformity; opinion and attitude formation; gender differences; ideological orientations; conflict, change, and group dynamics in an analytical framework. Prerequisites: PSCI 1010, PSYC 1010 or permission of the instructor. **(3)**

PSCI 3250 - Introduction to Political Thought

This course is an introduction to political theory ranging from the ancient Greeks to contemporary political thinkers. It emphasizes how classic and contemporary approaches to political thought matter for examining today's political controversies such as extreme economic inequality and the oppression of minorities. *Prerequisite(s)*: PSCI 1010 or 3 semester hours in philosophy. **(3, Fa)**

PSCI 3360 - Public Policy

(PADM 3360) Development and content of public policy in the American political system, focusing primarily on the national level but also considering state and local levels; processes linking citizen demands and government action and stressing ways in which minorities might cope with and alter policy to serve their interest. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior)**

PSCI 3400 - Urban Politics

Processes and structures of urban politics considered in core city and metropolitan contexts, stressing impacts of urban politics and distribution of power and various responses of citizens to effect changes in society. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior)**

PSCI 3460 - Political Parties

Development, organization, and influence of political parties and interest groups. Prerequisite(s): None **(3)**

PSCI 4050 - African Politics and Government

(AADS 4050 and XCOR 3020) This course provides a comprehensive examination of the role of political leadership on the development of independent Black Africa with special emphasis on the influence of major personalities, the problems of African politics, nationalities, military politics, liberation movements, African ideologies, and economic integration and regional cooperation. Prerequisite(s): None **(3)**

PSCI 4100 - International Political Economy

This course focuses on the historical, theoretical, and contemporary perspectives of international political economy. Special attention is devoted to changing global patterns and the relationship between economics and politics, national and international security. Prerequisite(s): None **(3, Fa)**

PSCI 4640 - The Politics of Developing Nations

(XCOR 3020) Types of political systems found in contemporary Africa, Asia, and the Caribbean/Latin America, and a survey of government and politics of some major nations which are considered developing nations. Prerequisite(s): None **(3, Sp)**

PSCI 4901 - Independent Study

Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. **(1)**

PSCI 4902 - Independent Study

Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. **(2)**

PSCI 4903 - Independent Study

Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. **(3)**

PSCI 4911 - Independent Research

Research project on topic agreed upon by student, instructor, and Department Head. Prerequisite: Permission of instructor and Department Head. **(1)**

PSCI 4912 - Independent Research

Research project on topic agreed upon by student, instructor, and Department Head. Prerequisite: Permission of instructor and Department Head. **(2)**

PSCI 4913 - Independent Research

Research project on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and Department Head. **(3)**

PSCI 4930S - Special Topics Seminar

Critical analysis and exploration of issues in politics and political inquiry through discussions of reports and research studies. Topics vary according to the interests of department faculty and majors. Some possible topics are Technology, Law and Politics, Political Identities in America, New Orleans politics, etc. Prerequisite: PSCI 1010 and permission of the instructor and Department Head. **(3)**

PSCI 4953 - Politics (local and international) Internship

Placement with an elected official, public agency, "quasi-public" sector-related agency or consular agency under field supervisor. Student prepares written analysis of his/her experience in relation to theoretical concepts studied in courses. Student reports to field assignment rather than having classes, assignments, and examinations; the formal class meeting is a conference period with the instructor at one- or two-week intervals as scheduled. Graded on Pass/Fail basis. Prerequisite: written permission of instructor and Department Head. (3 for 10 hrs/week field assignment; 6 for 20 hrs/week field assignment)

PSCI 4956 - Politics (local and international) Internship

Placement with an elected official, public agency, "quasi-public" sector-related agency or consular agency under field supervisor. Student prepares written analysis of his/her experience in relation to theoretical concepts studied in courses. Student reports to field assignment rather than having classes, assignments, and examinations; the formal class meeting is a conference period with the instructor at one- or two-week intervals as scheduled. Graded on Pass/Fail basis. Prerequisite: written permission of instructor and Department Head. (3 for 10 hrs/week field assignment; 6 for 20 hrs/week field assignment)

PSCI 4963 - Legal Internship

Placement with a law office or judicial agency under field supervisor. Student prepares written analysis of his/her experience in relating the internship experience to literature in the field and meets with the instructor at two-week intervals as scheduled. Graded on Pass/Fail basis. Prerequisite: written permission of instructor and Department Head. (3 for 10 hrs/week field assignment / 6 for 20 hrs/week field assignment)

PSCI 4966 - Legal Internship

Placement with a law office or judicial agency under field supervisor. Student prepares written analysis of his/her experience in relating the internship experience to literature in the field and meets with the instructor at two-week intervals as scheduled. Graded on Pass/Fail basis. Prerequisite: written permission of instructor and Department Head. (3 for 10 hrs/week field assignment / 6 for 20 hrs/week field assignment)

PSCI 4999 - Political Science Senior Capstone Experience

The Political Science Department designed the Capstone Seminar to be a culminating experience for students. As majors, you complete a common set of courses early in your program of study that establishes the foundation of the discipline and initiates processes of skill building. You then branch off into different subfields (American National Institutions, International Affairs, Public-Law, Urban Politics, Public Administration) and take a variety of courses with different substantive and skill emphases in the "middle" of the major. The Capstone provides a venue where you will be able (and expected) to draw upon the ideas and skills you have gained thus far to explore a new and overarching topic or set of related topics in Political Science that has relevance to your futures. Capstone seminars provide an integrative experience that substantively allows you to employ insights and ideas from work in different subfields and includes skill intensive writing, critical thinking, independent research and oral presentation opportunities to apply theories and concepts to new problems and cases, as well as practice in articulating and defending your own views. Prerequisite(s): Students must be seniors to register for the course. **(0, ENGAGEMENTS/Senior Capstone)**

Professional Writing

PRWT 2000 - Professional Prose

The students of the workshop seminar write potentially publishable works of professional-level prose on a topic of their own choice; revised versions go into an end of semester portfolio. In addition, students read about the craft of writing and write weekly critiques. Prerequisite(s): final grade of a "B" or higher in ENGL 1000/ENGL 1010 and ENGL 1020/ENGL 1023H/ENGL 1025, or permission of the minor Director. **(3, Fa)**

PRWT 2070 - Creative Nonfiction

CRWT 2070 In this seminar, students will study and practice writing literary nonfiction. The course will cover description, point of view, characterization, dialogue, and other techniques. Students will read the works of contemporary nonfiction authors and, using the workshop method, critique the work of their peers. **(3)**

PRWT 2200 - Modern English Grammars

ENGL 2200 This course is designed to give students some theoretical understanding of English syntax as well as the uses of Edited American English. Students will learn to manipulate their use of language at the sentence level for specific purposes and audiences, to edit their own writing confidently, and to analyze written texts. Other outcomes will enable students to understand some learners' difficulty with grammar, to look beyond their surface errors, and to understand the difficulties ESL students have with English grammar. Throughout the course, students will read and analyze student and professional writing. **(3)**

PRWT 3155 - Technical Writing

A course specifically designed for writing in organizational cultures. Course assignments focus on content, organization, format, awareness of audience and purpose, conciseness and accuracy of language, and correctness. Course assignments include memos, proposals, instructions, letters, and reports. Successful completion of the Freshman English sequence is required. **(3, Sp)**

PRWT 4000 - On-Campus Writing Apprenticeship

This practicum promotes hands-on writing experience while writing for an on-campus client, such as the Xavier Herald or the Xavierite. In addition to the writing, students meet weekly with the Professional Writing instructor to talk about writing strategies, approaches, and the writing itself. The course may be taken up to two times for credit. *Prerequisite(s): PRWT 2000, PRWT 2070, PRWT 2200, PRWT 3155.* **(3, Fa-Sp)**

PRWT 4001 - Off-Campus Writing Apprenticeship

This practicum promotes hands-on writing experience while writing for an off-campus client, such as the Tennessee Williams Festival or local publication. In addition, students meet weekly with the Professional Writing instructor to talk about writing strategies, approaches, and the writing itself. This course may be taken up to two times for credit. *Prerequisite(s): PRWT 2000, PRWT 2070, PRWT 2200, PRWT 3155* **(3, Fa-Sp)**

Psychology

PSYC 1010, PSYC 2020, and PSYC 2512, OR PERMISSION OF THE INSTRUCTOR ARE THE PREREQUISITES FOR ALL 3000- AND 4000- LEVEL PSYCHOLOGY COURSES, WITH THE EXCEPTION OF PSYC 3041 and PSYC 3035, FOR WHICH ONLY PSYC 1010 IS REQUIRED. ADDITIONAL PREREQUISITES ARE NOTED IN APPROPRIATE COURSE DESCRIPTIONS.

PSYC 1010 - Introductory Psychology

Foundation for more advanced study. Includes history and methodology, development, biological basis of behavior, learning and memory, personality, psychopathology, and social influences on behavior. **(3, EXPLORATIONS/Human Behavior, FaSpSu)**

PSYC 1012 - Human Development

A study of the individual from birth to senescence. Emphasizes normal physical, emotional, and intellectual development. **(3)**

PSYC 2020 - Research Methods

Examines the methods of psychology such as observation, case study, and experimentation. Prerequisite: PSYC 1010 **(3, FaSp)**

PSYC 2050 - Health Psychology

An introduction to the interaction of psychological, social, and physical factors in health and the treatment of illness. Course content will include relevant research, health care delivery systems, and health care policy. Prerequisite: PSYC 1010 or permission of instructor and department head. **(3)**

PSYC 2070 - Comparative and Evolutionary Psychology

Investigates animal behavior in the laboratory and in natural and semi-natural settings. Focuses on the application of knowledge about animal behavior to the explanation of human behavior. Discusses such issues as aggression, communication, and the genetic basis for behavior. Prerequisite: PSYC 1010 **(3)**

PSYC 2075 - Sensation and Perception

This course introduces sensory information processing and perception as well as methods used to study the relationship between the physical energy that is sensed (e.g. light and sound) and the subjective experience of objects and events. Mechanisms underlying perception of touch, body position, taste, smell, hearing, and vision are covered. The course is designed for students to gain a strong foundation for more advanced biological-based psychology courses. Hands-on, student-centered activities will be emphasized throughout the course. Prerequisite(s): PSYC 1010 **(3)**

PSYC 2080 - Writing in Psychology

Provides an introduction to written communication in psychology and related social sciences. Includes information on selecting topics, gathering and organizing information, using APA style, proofreading, etc. Prerequisites: ENGL 1010 & PSYC 1010 **(3)**

PSYC 2110 - Human Sexuality

Designed to cover a full spectrum of health issues in human sexuality, this course will cover psychological, physiological, social, developmental, spiritual, and interpersonal factors in human sexuality. Its goals are to provide objective information, develop research interests in the field, highlight the most recent developments, literature, and discoveries in this area, and to promote sexual health at all levels. The major emphasis will be to inspire healthy decision making. Prerequisites: PSYC 1010 or permission of the instructor and department head. **(3)**

PSYC 2500 - Positive Psychology

An introduction to research, theory, and the application of positive psychology. Positive psychology is the study of what is right and positive about people and institutions. Positive psychologists call for as much focus on strength as on weakness, as much attention on positive as negative emotions, and as much interest in building the best things in life as in repairing the worst. Prerequisite: None **(3, EXPLORATIONS/Human Behavior)**

PSYC 2511 - Psychological Statistics

A calculational survey of introductory statistics. Will examine both descriptive and inferential statistical processes. Prerequisite: PSYC 1010 and completion of all developmental mathematics requirements. **(3, FaSp)**

PSYC 2512 - Advanced Research

Research approach to selected topics from PSYC 2511; scientific report writing, logic of scientific method, research design, library research, and readings from the literature. Prerequisites: Grades of C or better in PSYC 1010, PSYC 2020, PSYC 2511 or MATH 1020/STAT 2010. **(3, FaSp)**

PSYC 3010 - Social Psychology

Survey of social influences on behavior. Includes affiliation and interpersonal attraction; person perception; conformity; attitude formation, assessment, and change; prejudice; aggression; social learning; and group dynamics. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512, or permission of the instructor and department head. **(3)**

PSYC 3025 - Adult Development and Aging

A survey of adult development and aging from young adult to old age. The influence of biological, psychological, socio-cultural, and life cycle forces will be examined with an emphasis on normal development. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and department head. **(3)**

PSYC 3030 - Cognitive Psychology

Examines mental processing through the study of thinking, problem solving, and memory. Includes such topics as artificial intelligence, heuristics vs. algorithms, mnemonics, and cognitive development in children. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and department head. **(3)**

PSYC 3035 - Psychology of Gender

Focuses on how gender as a social construct shapes the lives of men and women in contemporary society. Specific issues addressed include ideas and stereotypes about masculinity and femininity; gender differences and similarities in cognitive abilities, personality, and social behavior, gender roles in families; the economic dynamics associated with gender; representations of men and women in the media and culture; and the potential for change in gender relations and gender inequality. Prerequisites: PSYC 1010 **(3)**

PSYC 3040 - Educational Psychology

(EDUC 3040) Study of the nature, conditions, outcomes, and evaluation of learning. Systems approach; use of a variety of media and optimum clinical experience; cognitive and affective factors influencing learning process. Counts only toward Education and Elective Credit, but not toward the Psychology Major. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor. **(3, Fa)**

PSYC 3041 - Black Psychology

(AADS 3041) This course is designed to generate critical and analytic thinking about each student's identity as a member of American society and as a member of the "global village." The course is reading/writing intensive as it investigates "the Black Experience." As the course progresses, the student is expected to be more facile in his/her ability to influence and change our psychosociocultural environment in positive and meaningful ways. Prerequisites: PSYC 1010 **(3)**

PSYC 3045 - Industrial/Organizational Psychology

An introduction to the theories, methods, findings and applications of Industrial/Organizational Psychology. Topics include the principles and techniques of selection of personnel, the application of psychological principles to the training of organization members work attitudes and motivation, various theoretical approaches to leadership, organizational communication, and organizational structure and design. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and department head. **(3)**

PSYC 3050 - Physiological Psychology

NSCI 3050 This is a basic introductory course in the field of neuroscience. It examines the biological basis of behaviors such as aggression, reproduction, sleep, dreaming, and mental disorders. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and and department head. BIOL 1030 or BIOL 1230 are recommended but not required. **(3)**

PSYC 3080 - Abnormal Psychology

Classifications from DSM-V will form the foundation for viewing the dynamics of behavior and the diagnostic basis for psychopathology. Primarily a systematic, descriptive, and theoretical approach that discusses etiology and pathophysiologic processes when they are known. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and department head. **(3, Fa)**

PSYC 3100 - Psychology of Learning

A survey of the major theories and empirical research. Topics include principles of classical and operant conditioning, reinforcement, motivation, and forgetting. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and department head. **(3)**

PSYC 3110 - Psychotherapies

A comprehensive examination of the major forms of psychotherapy and the different views of psychopathology. The focus will be on personal growth and improvement, as well as on the correction of individual problems. Prerequisites: PSYC 1010, PSYC 2020, PSYC 2512, and PSYC 3080 or permission of the instructor and the department head. **(3, Sp)**

PSYC 3120 - Tests and Measurements

Survey of the methodology of assessment, test design and construction, test administration and scoring, achievement and intelligence testing, personality observations and inventories, and issues in ethics and applications of testing. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and the department head. **(3)**

PSYC 3200L - Psychology Laboratory

A research course designed to give students direct experience in conducting experimental laboratory research. Students will participate in the design and implementation of experiments, both as experimenters and experimental subjects, and provide oral and written research reports. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and the department head. **(1)**

PSYC 4000S - Seminar

Content varies according to current developments in field of psychology and student needs. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and the department head. **(3)**

PSYC 4010 - Theories of Personality

A survey of the major personality theories and their authors, as well as their systematic approaches to developing their theories. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and the department head. **(3)**

PSYC 4011 - Independent Study

Intensive individual readings on topic agreed upon by student and the instructor. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 and permission of the instructor and and the department head. **(1)**

PSYC 4012 - Independent Study

Intensive individual readings on topic agreed upon by student and the instructor. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 and permission of the instructor and the department head. **(2)**

PSYC 4013 - Independent Study

Intensive individual readings on topic agreed upon by student and the instructor. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 and permission of the instructor and the department head. **(3)**

PSYC 4020 - Cognitive Neuroscience

NSCI 4020 Explores the neurobiological mechanisms that underlie cognition by understanding the brain. The primary objective is to introduce terminology and concepts that explain how cognitive function arises from interactions between

groups of neurons. This course seeks to highlight the brain's complexity and elegance, and its ability to create and coordinate all of a person's thoughts, actions, memories, feelings, dreams, and aspirations. Prerequisite(s): PSYC 1010 and PSYC 3050. **(3)**

PSYC 4030 - Group Dynamics

Designed to explore theory and research dealing with group processes. Emphasis is placed on the individual within the group and the application of theory and research to real world situations. Topics to be covered include group development and socialization, individual conformity and influence, individual performance in groups, decision making, and crowds and collective behavior. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and the department head. **(3)**

PSYC 4050 - Drugs and Behavior

NSCI 4050 Introduces students to the basics of drug administration, absorption, metabolism, and excretion, as well as how drugs act at neuronal synapses to cause changes in neuronal function. The connection is then made from these neuronal functional changes to broader behavioral changes associated with various legal, illegal, and prescription psychoactive drugs. Also examines the use of antidepressants, antipsychotics, and other drug therapies for the treatment of psychopathologies. Prerequisite(s): PSYC 1010, PSYC 2020, PSYC 2512, and PSYC 3050 or permission of the instructor. **(3)**

PSYC 4060 - Cultural Psychology

This course will provide an overview of the study and application of psychological principles across a variety of cultures. We believe that by studying psychological issues from a cross-cultural perspective, we will gain more understanding of and appreciation for human diversity. In turn, this increased cultural awareness will help us foster clearer and more meaningful lines of communication in whatever profession we may choose. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and the department head. **(3)**

PSYC 4070 - Psychology of Stereotyping and Prejudice

A course exploring the roots and implications of stereotyping and prejudice. Students will investigate from primary and secondary sources such classic issues as the origins of prejudice and its ambiguous nature and more recent innovations such as investigation into tokenism and stereotype threat. Racism, sexism, heterosexism, and other forms of prejudice will be explored. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and the department head. **(3)**

PSYC 4085 - Disorders of the Brain

NSCI 4085 An introduction to the study of clinical neuropsychology, an applied area of neuroscience. Survey of current neuropsychological knowledge as it pertains to normal brain anatomy, functioning, and pathological disorders. Specific emphasis placed on current scientific literature regarding the use of neuroimaging and neuropsychological methods for understanding network-based brain changes that occur in neurological disorders. Prerequisite(s): PSYC 2512 and PSYC 3050 or permission of the instructor. **(3)**

PSYC 4090 - Adolescent Psychology

(EDUC 4090) Characteristics and attendant problems of adolescent growth and development. Relevant techniques in teaching and guidance based on modern research. Counts only toward Education and Elective Credit, but not toward the Psychology Major. Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and PSYC 3040. **(3, Sp)**

PSYC 4095 - Forensic Psychology

Involves the application of psychological and clinical skills to legal, criminal justice, sociological, and political issues. Includes such concepts as "expert witness" testimony, the concept of "amicus curiae," and the process of jury selection. Prerequisites: PSYC 1010, PSYC 2020, PSYC 2512, and PSYC 3080 or permission of the instructor and department head. **(3)**

PSYC 4398 - Fieldwork Practicum I

Supervised practice in the application of psychological techniques to clinical settings, counseling settings, and clinical administrative settings. Taught with the training staffs of cooperating institutions and agencies. Prerequisites: PSYC 1010, PSYC 2020, PSYC 2512, and PSYC 3080, permission of instructor, and 3.0 grade point average in psychology. **(3, FaSp)**

PSYC 4399 - Fieldwork Practicum II

Supervised practice in the application of psychological techniques to clinical settings, counseling settings, and clinical administrative settings. Taught with the training staffs of cooperating institutions and agencies. Prerequisites: PSYC 1010, PSYC 2020, PSYC 2512, and PSYC 3080, permission of instructor, and 3.0 grade point average in psychology. **(3, FaSp)**

PSYC 4996 - Historical and Applied Perspectives in Psychology

This course involves the critical analysis and exploration of major issues in psychology. The focus is the integration of knowledge and the process of disseminating knowledge. Topics vary according to the interests of the faculty and changes in the field. Prerequisites: PSYC 1010, PSYC 2020, PSYC 2512, and completion of the majority of major courses or permission of the instructor and department head. **(3, FaSp, ENGAGEMENTS/Senior Capstone)**

PSYC 4999 - Senior Comprehensives

Prerequisites: PSYC 1010, PSYC 2020, and PSYC 2512 or permission of the instructor and department head. **(0, FaSp)**

Public Administration

PADM 2050 - Introduction to Public Policy and Administration

(PSCI 2050) This course is an introduction to the essential skills useful to public administrators and policy analysts seeking to work in an analytical or managerial position in the public or not-for profit-sectors. It is designed to familiarize students with the principles and contextual restraints that form the program environment of the contemporary public manager. It will cover the basic development, content, administration, and evaluation of public policy in the American political system. Prerequisite(s): None **(3)**

PADM 3360 - Public Policy

(PSCI 3360) Development and content of public policy in American political system, focusing on the national level but also considering state and local levels; processes linking citizen demands and government action and stressing ways in which minorities might cope with and alter policy to serve their interest. Prerequisite(s): None **(3, Fa)**

PADM 3370 - Administrative Behavior

Examines concepts of administrative behavior in public organizations, including decision-making, leadership, small group behavior, and analysis of social systems. Prerequisite(s): None **(3, Sp)**

PADM 3500 - Public Personnel Administration

Reviews basic properties, practices, and issues of public personnel administration including recruitment, management, motivation, and ethics in public service. Prerequisite: PADM 2050 **(3, Sp)**

PADM 3510 - Public Financial Administration

Emphasizes the budget process as related to programs conditioned by revenue estimates based upon taxes, assessments, and appropriations. Prerequisite: PADM 2050 **(3, Sp)**

PADM 3520 - Program Planning and Evaluation

Introduces the techniques of program planning and evaluation as a government process. Prerequisite: PADM 2050 **(3, Fa)**

PADM 4530S - Public Administration Seminar

Examines selected topics in public administration with an attempt to relate field experiences of students to principles of administration. Prerequisite: PADM 2050 **(3, Sp)**

PADM 4901 - Independent Study

Intensive individual readings on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and Department Head. **(1)**

PADM 4902 - Independent Study

Intensive individual readings on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and Department Head. **(2)**

PADM 4903 - Independent Study

Intensive individual readings on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and Department Head. **(3)**

PADM 4911 - Independent Research

Research project on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and Department Head. **(1)**

PADM 4912 - Independent Research

Research project on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and Department Head. **(2)**

PADM 4913 - Independent Research

Research project on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and Department Head. **(3)**

PADM 4953 - Urban Administrative Internship

Placement with an elected official, public agency, or "quasi-public" sector related agency under field supervisor. Student prepares written analysis of his/her experience in relation to theoretical concepts studied in courses. Student reports to field supervisor rather than have classes, assignments, and examinations; the formal class meeting is a conference period with the instructor at one or two week intervals as scheduled. Graded on Pass/Fail basis. Prerequisite: written permission of instructor and Department Head. (3 for 10 hrs/week field assignment / 6 for 20 hrs/week field assignment)

PADM 4956 - Urban Administrative Internship

Placement with an elected official, public agency, or "quasi-public" sector related agency under field supervisor. Student prepares written analysis of his/her experience in relation to theoretical concepts studied in courses. Student reports to field supervisor rather than have classes, assignments, and examinations; the formal class meeting is a conference period with the instructor at one or two week intervals as scheduled. Graded on Pass/Fail basis. Prerequisite: written permission of instructor and Department Head. (3 for 10 hrs/week field assignment / 6 for 20 hrs/week field assignment)

Public Health Sciences

PHLT 1001 - Introduction to Public Health

This course takes a multidisciplinary "population health" approach using an ecological perspective. Determinants of health including environmental, behavioral, biological, and socio-economic factors as well as access, quality and cost of medical care are central to the course. It emphasizes the historical and current roles of public health and introduces students to basic epidemiological concepts of rates, causation and public health surveillance. **(3, EXPLORATIONS/Human Behavior)**

PHLT 1002 - Nutrition and Health

This course will examine issues associated with nutrition and health, such as food security, food environments, and how the media and marketing influences food choices. **(3, EXPLORATIONS/Human Behavior)**

PHLT 2001 - Behavioral Theories in Public Health

Students are introduced to the use of interpersonal and intrapersonal theories to inform the development of theoretically sound public health interventions. Prerequisite(s): PHLT 1001, PHLT 1002. **(3)**

PHLT 2002 - Health Promotion Program Planning & Evaluation

This course will introduce students to the fundamentals of health promotion planning, implementation, and evaluation. Prerequisite(s): PHLT 1001, PHLT 1002. **(3)**

PHLT 2004 - Introduction to Environmental Health

Basic concepts of environmental health and emerging issues associated with environmental threats to human health. Prerequisite(s): PHLT 1001, PHLT 1002. **(3)**

PHLT 3001 - Introduction to Epidemiology

This course offers a basic overview of concepts and methods used in identifying the frequency, distribution, and determinants of health. Prerequisite(s): PHLT 1001, PHLT 1002. **(3)**

PHLT 3004 - Research Methods

This course will expose students with an introduction to skill related to the research process, including research design, data collection methods and procedures, scientific writing, and oral presentation of research findings.
Prerequisite(s): PHLT 2001 PHLT 2002 PHLT 3001 **(3)**

PHLT 3901 - Special Topics in Public Health

Designed to permit students to pursue enhanced or advanced areas of Public Health Sciences. Specific topics are announced when the course is offered. Prerequisite(s): PHLT 1001- Introduction to Public Health or permission of the instructor. **(1)**

PHLT 3902 - Special Topics in Public Health

Designed to permit students to pursue enhanced or advanced areas of Public Health Sciences. Specific topics are announced when the course is offered. Prerequisite(s): PHLT 1001- Introduction to Public Health or permission of the instructor. **(2)**

PHLT 3903 - Special Topics in Public Health

Designed to permit students to pursue enhanced or advanced areas of Public Health Sciences. Specific topics are announced when the course is offered. Prerequisite(s): PHLT 1001- Introduction to Public Health or permission of the instructor. **(3)**

PHLT 4002 - Introduction to Global Health

A basic course exploring determinants of global health, global health polices, and health outcomes of global health interventions. Prerequisite(s): PHLT 2002, PHLT 3001 or permission of instructor. **(3)**

PHLT 4003 - Senior Seminar Case Studies

This seminar type course will expose students to various aspects of the practice of public health and public health current issues. This course will introduce a number of central concepts and explore key and controversial issues related to public health using case studies. Topics covered include the nature of public health ethics, the concepts of disease and prevention, risk and precaution, health inequalities and justice, screening, vaccination and disease control. Prerequisite(s): Permission of instructor. **(3)**

PHLT 4004 - Senior Internship

Public Health Sciences majors must complete a 400 hour internship working in a public health setting to include a community health center, school, government, community-based organization, research facility or worksite. The

internship includes a minimum of 400 working hours. Requires completion of weekly activity logs, final internship report, and oral presentation. Graded on Pass/Fail basis. Prerequisite(s): Completion of all Public Health Sciences 36 degree credit hours or permission of the chair, 2.0 or above grade point average, and passing of senior comprehensive examination. **(9)**

PHLT 4004A - Senior Internship

Public Health Sciences majors must complete a 400 hour internship working in a public health setting to include a community health center, school, government, community-based organization, research facility or worksite. The internship requires completing 270 working hours. Requires completion of weekly activity logs, final internship report, and oral presentation. Graded on Pass/Fail basis. Prerequisite(s): Completion of all Public Health Sciences 36 degree credit hours or permission of the chair, 2.0 or above grade point average, and passing of senior comprehensive examination. **(6)**

PHLT 4004B - Senior Internship

Public Health Sciences majors must complete a 400 hour internship working in a public health setting to include a community health center, school, government, community-based organization, research facility or worksite. The internship requires a minimum of 135 working hours. Requires completion of weekly activity logs, final internship report, and oral presentation. Graded on Pass/Fail basis. Prerequisite(s): Completion of all Public Health Sciences 36 degree credit hours or permission of the chair, 2.0 or above grade point average, and passing of senior comprehensive examination. **(3)**

PHLT 4999 - Senior Comprehensive Exam

All public health majors will need to successfully pass a comprehensive examination before registering for their senior internship. The internship is an intensive interaction with an approved public health site that would allow students an opportunity to apply their public health knowledge, skills and abilities. Prerequisite(s): Senior Standing **(0)**

PHLT 5010 - Environmental Health and Toxicological Issues

This course provides an introduction to environmental (physical, chemical, biological) determinants that influence human health and means of controlling these determinants on the national and international level. Students examine basic concepts of toxicology as they apply to the effects of environmental agents, e.g. chemicals, metals, on public health. Students focus on the application of these concepts in understanding and prevention of morbidity and mortality resulting from environmental exposures to toxic substances through a case study format. **(3)**

PHLT 5020 - Epidemiologic Methods in Racial and Ethnic Disparities

This course provides an overview of epidemiological principles and health issues related to race and health in modern U.S. society. Special emphasis is given to epidemiologic methods and perspectives in research studies examining race/ethnicity; demographic trends; mortality and life expectancy; and social, etiologic, biological, and genetic factors associated with health disparities by racial and ethnic group in the United States and in urban areas. **(3)**

PHLT 5030 - Health Equity Principles and Practices

Health equity is the goal of obtainment of health for all and fair distribution of resources. One must first understand how to identify and anticipate obstacles which contribute to health inequities, conduct evaluations of these obstacles, and determine best prevention and control methods for these obstacles. This course introduces the concepts and pragmatic principles of actions needed to strive for reducing inequities in health status. Specific processes and factors

that play a role in achieving health equity are identified and discussed. Introduces skills needed to conduct health equity assessments. **(3)**

PHLT 5040 - Applied Biostatistics

Biostatistics is essential to ensuring that findings and practices in public health and biomedical sciences are supported by reliable evidence. This course covers the basic tools for the collection, analysis, and presentation of data in all areas of public health. Central to these skills is assessing the impact of chance and variability on the interpretation of research findings and subsequent recommendations for public health practice and policy and secondary data analysis. Topics covered include: descriptive analytic methods, general principles of study design; hypothesis testing; measures of validity and reliability, review of methods for comparison of discrete and continuous data including ANOVA, t-test, correlation, and regression. The application of the statistical methods will be relevant to health disparities and health equities. This course is part of the core course requirement for the MPH. **(3)**

PHLT 5050 - Public Health Policy

Introduces students to the concepts and tools of health policy. Provides the opportunity to hear healthcare and health policy concerns from others and a chance to apply tools for policy analysis. Introduces skills necessary to be an effective policy analyst/policy advocate. Lectures illustrate policy issues with examples from many fields of health services ranging from medical care, to current public health issues including the Affordable Care Act and population health, as well as health service delivery improvement efforts with focus on policy issues and concerns in underserved and urban populations. **(3)**

PHLT 5060 - Determinants of Health Equity

This course introduces students to the biological, economic, environmental, and social determinants of health and measurement and evaluation of issues associated with these determinants and health outcomes. Topics that will be covered include development of the outcomes framework, outcome measures, and risk adjustment of health outcomes, technical and practical issues with measurement and estimation, and empirical examples of healthcare outcomes research. Outcome and quality measures that will be covered include generic and condition-specific health status measures, satisfaction, patient trust, and patient adherence. **(3)**

PHLT 5500 - Current Issues in Health Equities Core Seminar

This is a seminar course for students in the Health Equities concentration. The seminar is a venue for students to discuss current health equity issues in a supportive environment of peers, faculty, and health equity guest speakers. **(1)**

PHLT 5510 - Community Based Research

Introduces students to the range of community based research models, including community-based participatory research (CBPR), community engaged research (CEnR), with a focus on working with underserved and urban population. Students will work with other disciplines and areas through inter-professional interactions to address health equity topics. Offers knowledge of and skills that emphasize the importance of community inclusion and partnership for public health research. **(2)**

PHLT 5520 - Health Literacy and Cultural Communication

This course will help students appreciate the literacy demand challenges presented in common print-based, web-based, mass media, and face to face communication during health encounters and approaches to their improvement. Introduces the broad areas of literacy and health literacy. Discusses approaches to the assessment of key health literacy skills linked to behavioral and health outcomes. Prepares students to create and evaluate print-based health education

materials that are tailored for reading level and cultural awareness. Introduces frameworks suitable for literacy assessment of web-based health information and oral literacy demand of medical encounters. **(3)**

PHLT 5530 - Qualitative and Quantitative Research Methods

Introduces students to practical skills needed for conducting qualitative and quantitative research and grant writing principles. Provides an overview of theoretical foundations of qualitative research and different methodologies for qualitative inquiry that enables students to develop, interpret, and evaluate three common qualitative data collection methods: in-depth interviews, focus groups, and observation. Emphasizes understanding the basic principles and techniques critical for conduct, including question formation, tool design, sampling, data generation, ethics, and quality. **(3)**

PHLT 5700 - Advanced Methods for Planning and Implementing and Evaluating Health Promotion Programs/ [Intervention Mapping]

This course integrates and extends the knowledge of behavioral science theory into planning models for health promotion programs for underserved and urban populations that include conducting a needs assessment, determination of priorities, setting goals, stating objectives, designing interventions, and developing an implementation plan. The teaching methods emphasize group process skills through modeling and guided practice applied to the planning process. Students work on health problems of their choice. Student evaluations include a guided written health promotion project plan and participation in class and group assignments. Prerequisite(s): 3 semester hours in public health or permission of instructor. **(3)**

PHLT 5710 - Computer Applications [SPSS, STATA and GIS]

The purpose of this course is to teach two statistical computing applications and a geographical and spatial analytic application: Statistical Packages for the Social Sciences (SPSS), STATA, and Geographical Information Systems (GIS) are the three computing and graphic application software taught in this course. For SPSS and STATA, this course covers the basic and intermediate applications of both statistical programming applications. Students will learn how to apply these software for data management and analysis. Students will apply the knowledge and skills acquired to the generation of statistical reports using statistical methods ranging from descriptive statistics through analysis of variance (ANOVA). For GIS, the course will cover applications of GIS software, such as ArcGIS, to create datasets, generate maps and conduct spatial analysis. Prerequisite(s): PHLT 5040 or permission of instructor. **(3)**

PHLT 5720 - Collaborative Leadership

This course focuses on applying and evaluating leadership theories, concepts, and emerging perspectives; analyzing personal, professional, organizational, and system leadership dynamics in a rapidly changing and complex world; and discerning the implications of leadership decisions on public health and healthcare policies particularly when addressing issues with underserved populations. Prerequisite(s): 3 semester hours in public health or permission of instructor. **(3)**

PHLT 5731 - Independent Study

This course will provide an opportunity for a student to work with a faculty member on a public health area of study which is not currently covered in an existing course. Prerequisite(s): Permission of instructor. **(1)**

PHLT 5732 - Independent Study

This course will provide an opportunity for a student to work with a faculty member on a public health area of study which is not currently covered in an existing course. Prerequisite(s): Permission of instructor. **(2)**

PHLT 5733 - Independent Study

This course will provide an opportunity for a student to work with a faculty member on a public health area of study which is not currently covered in an existing course. Prerequisite(s): Permission of instructor. **(3)**

PHLT 5740 - Political Economy of Social Inequalities and its Consequences for Health and Quality of Life

Focuses on the economic, financial, political, environmental, and social causes of health inequalities, on a local, national and global level, and their consequences on health and quality of life. Emphasizes the analysis of public policies that have been developed by national and international agencies and how they have impacted the growth of inequalities. Prerequisite(s): PHLT 5060 or permission of instructor. **(3)**

PHLT 5750 - Implementation of Research and Practice

This course combines didactic methods and group activities to explore the concept of implementation science as it pertains to public health research and practice. Provides an overview of the concepts, tools, and methods used to advance implementation research and practice. Presents key principles of implementation science from a multidisciplinary perspective and provides practical applications of those principles in both practice and research-based settings. Prerequisite(s): PHLT 5530 or permission of instructor. **(3)**

PHLT 5760 - Ethnicity, Race, Class & Gender: A Multicultural Public Health Perspective

This seminar-style course explores contemporary perspectives on ethnicity, race, social class and gender, specifically how these social identities are portrayed in the public health literature, particularly in the health disparities and health equity domain. Students are expected to demonstrate in an oral presentation and in two take-home examinations, how concepts learned in class may be used to understand, review, and critique public health research conducted in the United States and in a global context. Prerequisite(s): PHLT 5060 and PHLT 5530. **(3)**

PHLT 5770 - Chronic Disease Epidemiology and Prevention

This course provides an overview of evidence based approaches and concepts related to prevention strategies for chronic diseases such as heart disease, hypertension, diabetes, obesity, stroke, and cancers. The issues and concerns associated with preventing these diseases in underserved and urban populations will also be discussed. Prerequisite(s): PHLT 5020 or permission of instructor. **(3)**

PHLT 5780 - Infectious Disease Epidemiology

This course introduces epidemiologic aspects of infectious diseases and provides information regarding prevention and control of these diseases. At the end of the course, students have an understanding of the epidemiologic aspects of infectious diseases including incidence, distribution, and pattern of disease occurrence as well as different modes of transmission and associated risk factors. They should understand the importance of surveillance systems in detecting epidemics, the application of epidemiological methods to determine the risk and associated factors, and the significance of prevention and control programs for infectious diseases. Students gain knowledge and skills in carrying out epidemic investigations through a series of case study assignments. Prerequisite(s): PHLT 5020 or permission of instructor. **(3)**

PHLT 5999 - Graduate Practicum and Capstone

Internship with required culminating experience Capstone Project or Thesis. Prerequisite(s): 12 semester hours in public health or permission of instructor. **(9)**

Reading

RDNG 0992 - Reading and Study Skills

This course is designed to provide a review of basic skills, reading and vocabulary strategies and study skills necessary for success in college. It focuses on literal and inferential comprehension, critical analysis and evaluation of college level text and fluency strategies. Instruction consists of lectures, exercises, individual tutorial, discussions and activities, such as reading challenging and complex texts, that enable students to become effective readers and to meet the demands of college reading. **(3 non-degree credit hours, FaSpSu)**

RDNG 0992i - Intensive Developmental Reading

This course is designed to strengthen the reading ability and study skills of students with critical needs. Emphasis is placed on basic reading skills, reading strategies, word attack skills, vocabulary development and study skills, and individual tutorial with one extra hour of extensive skills development. **(4 non-degree credit hours, FaSpSu)**

Research

RSCH 2000 - Fundamentals of Biomedical Research

This course prepares students for participation in a research program. The objective of the course is to build competence in several areas, including: analysis of primary literature, navigation of research intensive environments, development of research goals, experimental design, and fostering productive mentor-mentee relationships. Course design includes interactive exercises, with the faculty member serving as the facilitator. Prerequisite(s): Students must complete XCOR 1000, XCOR 1011/XCOR 1012, and all required 1000 level coursework for their major before enrolling in RSCH 2000. **(2)**

Sales and Marketing

SMKT 2020 - Introduction to Graphic Design

(ART 2020) An introduction to visual communication graphics and design with an emphasis on printed materials. Illustrative graphics, symbol/logo design, typography, layout principles systems, camera-ready art and the use of computer technology are part of this course. Prerequisite(s): None **(3, FaSp)**

SMKT 2050 - Principles of Marketing

Nature and scope of modern marketing management; outlines the areas in which decisions are made in developing and implementing price, distribution, product, and promotion strategies. Prerequisite(s): None **(3, FaSpSu)**

SMKT 3060 - Marketing Strategy

Marketing problems analyzed and decisions reached, emphasizing the management point of view. Prerequisite(s): SMKT 2050 and ACCT 1010 or permission of chairperson. **(3, Fa)**

SMKT 3090 - Customer Relationship Management

(MGMT 3090) The course will help students identify actions that businesses use to categorize and address customers effectively through the use of information and technology. This will also help students learn the benefits of knowing customers more intimately and show them how information can be used to increase revenues, satisfaction, and profitability. Prerequisite(s): SMKT 2050 **(3, Sp)**

SMKT 3350 - Marketing Research

Analysis of marketing problems and basic research designs. Included topics: basic data collection methods; formulation of problems; sources of information; composition of data collection forms; design of samples; tabulation of data; analysis of data; preparation of reports. Actual problems and cases are utilized. Application of marketing research is related to product, place, price, promotion, other areas of marketing. Computer programs may be utilized to solve some problems. Prerequisite(s): SMKT 2050, ECON 2070, or permission of the chairperson. **(3, Sp)**

SMKT 3500 - Personal Selling

This course will focus on personal selling presentations and relationship development. Students will examine consultative selling techniques and relationship management strategy in order to add value through selling. Prerequisite(s): SMKT 2050 **(3, Fa)**

SMKT 3530 - Sales Force Management

(MGMT 3530) Organization, communications process, group influences, forecasting, recruiting, training, design, motivation, supervision, compensation, control of sales organizations. Prerequisite(s): SMKT 2050 **(3, Fa)**

SMKT 3550 - Consumer Behavior

Consumer attitudes, motivations, reactions in market, drawing on marketing, economics, psychology, sociology, theories. Prerequisite(s): SMKT 2050 **(3, Sp)**

SMKT 3600 - Integrated Marketing Communications

Emphasis is upon integrated promotional programs. The study of the advertiser, the agency, the media, and their functions as matched with consumer behavior. Advertising, public relations, personal selling, promotional packaging, along with many other sales stimulating methods and techniques are covered. Prerequisite(s): SMKT 2050 **(3, Sp)**

SMKT 3700 - Multivariate Data Analysis

This course will focus on advanced marketing research methods (multivariate data analysis techniques). Students will examine various multivariate techniques and apply them to managerial marketing situations and research questions. Prerequisite(s): SMKT 2050, ECON 2070, and ECON 2080 or [MATH 1020 (STAT 2010) and STAT 2021]. **(3, Fa)**

SMKT 4000 - Sales and Marketing Seminar

A survey of topics/issues of current interest in marketing. Prerequisite(s): Senior standing or permission of the chairperson. **(3, Sp)**

SMKT 4010S - Leadership Seminar

(MGMT 4010S) One of the key aspects of management is its focus on leadership. For centuries the concept of whether leaders are "born or made" has been a subject of debate. Students will be required to read between three to five current books on key management topics and they will be required to analyze the leadership concepts and impacts on the leader's organization. Additionally, student will be required to read and analyze specific cases in leadership and to conduct a research term paper on a key topic in this area. Prerequisite(s): senior standing. **(3, Sp)**

SMKT 4999 - Senior Comprehensives

Prerequisite(s): Senior standing. **(0, FaSp)**

Secondary Education

EDSC 4061T - Student Teaching (Middle School and Secondary Education Majors)

This course includes: (a) Observation and participation in the classroom; (b) Full-time participation in instructional activities and other teaching assignments; and (c) Readings and experiences in classroom management and teaching techniques. Concurrent enrollment with Student Teaching Seminar. Prerequisite(s): Admitted into TEP, Passed Praxis Specialty Area and must have taken Praxis PLT. **(9, FaSp)**

EDSC 4150 - Teaching Reading in the Content Areas

At the completion of this course, the student will be able to support students' reading of content area texts through the implementation of vocabulary and comprehension strategies. Text readability and text structure are also addressed. Prerequisite(s): Admitted into TEP **(3, Sp)**

Sociology

SOCI 1010 - Introduction to Sociology

This course offers students the opportunity to develop their sociological imaginations through studying the patterns and regularities of social behavior, the structure and organization of society, social institutions, socialization, and social change. **(3, EXPLORATIONS/Human Behavior)**

SOCI 1015 - Popular Culture and Society

This course examines the intersection of popular culture, society, and the individual. It provides students with the opportunity to gain a base, introductory sociological understanding of the role of popular culture in local settings, youth subcultures, American society, consumer culture, and the burgeoning globalization of popular culture, most notably through the rapid growth of technology and its enormous social impact. **(3, EXPLORATIONS/Human Behavior)**

SOCI 2010 - Social Problems

This course examines societal and cultural conflicts and dilemmas through the use of the principles of sociology, most especially critical analysis. Topics generally include poverty and inequality, health and health care, issues confronting

families, and social problems associated with government and economic change. The course emphasizes formulating plausible, compassionate, and just solutions to social problems. Prerequisite: Any 1000 level sociology course. **(3, EXPLORATIONS/Human Behavior)**

SOCI 2020 - Introduction to Criminology

This course examines the nature, location, and impact of crime in the United States by exploring a broad range of issues related to criminology. Topics focused on within the course include the historical foundations of crime, the theoretical underpinnings of criminality, how we measure criminal acts, the development of criminal careers, the various typologies of offenders and victims and a critical analysis of public policies concerning crime control in society. Prerequisite: Any 1000 level sociology course. **(3)**

SOCI 2040 - Sociology of Gender

(WMST 2040) This introduction to the sociological study of gender addresses the social processes of learning gender identities, the role of gender identities in shaping society, and the relationship between gender and power. Topics include theoretical approaches to the study of gender, gender dynamics in various social institutions, and the intersection of gender with other social identities such as class, race, ethnicity, and sexuality. In addition, the course explores the variation in gender identities across social groups, time, place, and sexual identity. Prerequisite: Any 1000 level sociology course or WMST 1030 and instructor's permission. **(3)**

SOCI 2042 - Deviance

This survey course explores the establishment and maintenance of deviant categories, the motivations behind deviant behavior, formal and informal means of identifying deviants, the effect of institutionalization upon the deviant, and how deviants attempt to avoid a label society places upon them. Prerequisite: Any 1000 level sociology course. **(3)**

SOCI 2050 - Sociology of the Family

This course is a detailed examination of the structure, process, and functioning of the family; it also identifies crises facing the family. Included are a study of cross-cultural variations in family relationships, marriage patterns and processes and family functions. Prerequisite: Any 1000 level sociology course. **(3, EXPLORATIONS/Human Behavior)**

SOCI 2060 - Race and Ethnic Relations

(AADS 2060) This course is concerned with examining issues, problems, and research findings on race, ethnic, and minority group relations. Emphasis is on U.S. Black-White relations, American ethnic groups, religious conflict, and racial and ethnic group contacts in Europe, Asia, Africa, and Latin America. **(3, EXPLORATIONS/African American Heritage & Legacies)**

SOCI 2500 - Reading and Writing for Sociology

This course prepares students for upper level sociology courses by offering practice in active reading skills and instruction in the procedures and conventions for research and writing in the discipline of sociology. Topics include reading for deep learning, finding and evaluating secondary resources, and writing various types of sociological papers such as essays for tests, critical reviews, reaction papers, and literature reviews. Prerequisite(s): SOCI 1010 ; RDNG 0992, if required; a "C" or better in ENGL 1000or ENGL 1010, or a "D" or better in ENGL 1020 **(3, FOUNDATIONS/Advanced Rhetoric and Composition)**

SOCI 2530 - Introduction to Research Methods

This course provides students with an introduction to fundamental concepts and skills involved in evaluating and conducting social science research, as well as ethical issues surrounding social research. Students will gain basic insight into research methods through the process of conducting small research projects and developing a research proposal. Students will learn about the following methodologies: basic statistical manipulation of secondary data, survey methods, ethnographic observation, life history, focus group research, and evaluation research. Course is offered in conjunction with one credit Statistical Software lab course. Prerequisites: SOCI 2500, MATH 1020 (STAT 2010) Corequisite: SOCI 2530L **(3)**

SOCI 2530L - Statistical Software Lab

Students apply statistical analysis employing statistical software. Students manipulate data to answer sociological questions. Students learn to create a data set and to use existing data sets, to execute a range of statistical operations using SPSS, to recode data, to create various graphical representations of data, to select cases and create subsamples, and to test hypotheses. Students will work with both existing public datasets as well as create their own smaller dataset. Prerequisite: MATH 1020 (STAT 2010) **(1)**

SOCI 3010 - Sociology of Education

The course addresses the processes and patterns in educational systems. Its focus is on identifying, analyzing, and solving community educational problems. Prerequisite: SOCI 1010 **(3, EXPLORATIONS/Human Behavior)**

SOCI 3011 - Global Social Change

(XCOR 3020). This course offers students the opportunity to develop a sociological understanding of what it means to live in a global society. Theories about global social and economic interconnections, including sociological theories of globalization, are used to examine how social structures, social institutions, and social change are experienced differently throughout the world. Special emphasis is placed on inequalities engendered by globalization and global social change, including unequal power relationships among social groups, social classes, and regions throughout the world. **(3)**

SOCI 3020 - Political Sociology

This course focuses on the nature of power, sources of authority, functions of the state, types of political systems, political culture, political socialization, community power structure studies, the nature of individual participation in the political system, political development and change, and political violence. Prerequisite: Any 1000 level sociology course. **(3)**

SOCI 3025 - African American Urban Life

(AADS 3025) This interdisciplinary course examines African Americans as agents in shaping the urban experience in the United States. The central focus of the course will be the development of cultural, social, religious, economic, educational and political institutions. Examples will be drawn from among communities such as Harlem, NY, the Central Avenue district of Los Angeles, Chicago's south side, and the Auburn Avenue district of Atlanta, as well as others. Prerequisite: Any sociology course. **(3, EXPLORATIONS/African American Heritage & Legacies)**

SOCI 3030 - Sociological Theory

This course, formulated in socio-historical context, addresses the major theoretical paradigms within, and the major contributors to, the development of sociological theory. Prerequisite: SOCI 1010 **(3)**

SOCI 3035 - Sociology of Mental Health

This course considers issues ranging from serious mental disorders to subjective indicators of quality of life. The focus is on research and theory pertaining to social processes and mental health functioning. Prerequisite: SOCI 1010 **(3)**

SOCI 3040 - Population and Society

(XCOR 3020) This course addresses the principles of population analysis in a global context, most especially as they assess rates of birth, death, and migration. Additional topics include issues of differential health, education, occupation, life expectancy, and life span. Prerequisite: Any 1000 level sociology course. **(3)**

SOCI 3060 - Sociology of Aging

This course is a survey of problems of aging and mortality, with a special emphasis on sociological perspectives within gerontology. Prerequisite: SOCI 1010 **(3)**

SOCI 3070 - Medical Sociology

This course provides a sociological perspective on issues in health care and health care delivery for students preparing for any health care profession. Prerequisite: SOCI 1010 **(3)**

SOCI 3100 - Social Policy

This course is an analysis of social policy developments in the United States, and how said relate to international perceptions of the U.S. Contemporary and futuristic social policies are also examined. Prerequisite: Any 1000 level sociology course. **(3)**

SOCI 4020 - Urban Sociology

Urban sociology is the study of the origin and growth of cities, including the following topics: patterns of social organization and lifestyles in urban areas, metropolitan structure, suburbanization, and major metropolitan problems, including housing, finance, education, and "white flight." The U.S. urban experience is emphasized. Additional focus is placed on world-wide comparative urban situations. Prerequisites: Any 1000 level sociology course, and junior or senior standing, or instructor's permission. **(3)**

SOCI 4025 - Health Disparities

The purpose of this course is to examine the interrelationships of social factors influencing health disparities across social groups. Theory, research, and policy will be used to explore topics related to community health and health disparities among populations. Prerequisite: SOCI 3070, or instructor's permission. **(3)**

SOCI 4080 - Race, Class and Gender Inequality

(WMST 4080) This course is about social inequality. It addresses the causes and effects of crystallized, historical, institutional, procedural, systemic, unequal distribution of desirable but scarce values among ranked population groupings (social strata), with major attention given to this social phenomenon within urban industrial society.

Prerequisites: Any 1000 level sociology course or WMST 1020, and junior or senior standing or instructor's permission. **(3)**

SOCI 4081 - Guided Readings in Sociology

This category of courses is open only to majors; non-majors must receive the approval of the departmental head. Course content is dependent upon faculty discretion. Prerequisites: Junior or senior standing, permission of instructor, and permission of departmental head. **(1)**

SOCI 4082 - Guided Readings in Sociology

This category of courses is open only to majors; non-majors must receive the approval of the departmental head. Course content is dependent upon faculty discretion. Prerequisites: Junior or senior standing, permission of instructor, and permission of departmental head. **(2)**

SOCI 4083 - Guided Readings in Sociology

This category of courses is open only to majors; non-majors must receive the approval of the departmental head. Course content is dependent upon faculty discretion. Prerequisites: Junior or senior standing, permission of instructor, and permission of departmental head. **(3)**

SOCI 4700 - Seminar in Health, Medicine & Society

This course is a capstone course for those students pursuing a B.A. in Sociology who are in the Health, Medicine and Society Concentration. The course will work to synthesize their knowledge from a wide variety of subject matters in which they have taken courses, all of which have revolved around behavioral and social aspects of health, illness, disease, and medicine. These include health disparities, mental health, aging, chronic illness, and the health care system, among others. Prerequisites: Completion of all requirements of Health, Medicine & Society Concentration except SOCI 4025, SOCI 4950 and SOCI 4903, with at least a C. **(3)**

SOCI 4800 - Crime and Social Justice Seminar

This course is a summary, or capstone course, for those students pursuing a B.A. in Sociology who are in the Crime and Social Justice Concentration. Through seminar discussions and projects students in the course will integrate knowledge regarding criminology, deviance, structural forces impacting crime and responses to crime, and critical analysis of social institutions and public policy affecting crime, control and society. Instructors adopt a specific focus each semester that synthesizes material and skills encompassed in the Crime and Social Justice Concentration. Prerequisites: SOCI 1010, SOCI 2042 or SOCI 2020, SOCI 2530 (or related Research Methods course from another discipline). **(3)**

SOCI 4810 - Special Topics in Sociology

Seminar offering an in-depth, research-intensive exploration of a narrow field of sociological inquiry. Topics vary by semester according to faculty and student interest. Prerequisite: 3 semester hours in sociology and completion of a research methods course in sociology or a related discipline. **3**

SOCI 4820 - Methods Seminar

This course is an in-depth, research-intensive exploration of a particular sociological research method. Students will study the methodology in question, examine examples of research employing the method, and practice utilizing the

method through a major research project. Topics vary by semester according to faculty and student interest. Prerequisite: 3 semester hours in sociology and completion of one of the following research methods courses: SOCI 2530, PSCI 2010, PSYC 2020, PHLT 3004, MSCM 3600, or CMST 3020. **(3)**

SOCI 4901 - Independent Study

For advanced majors only. Students conduct an independent research project with the guidance of an instructor. Students will plan and conduct an original research project, culminating in a scholarly paper or presentation. Students should make plans to enroll in this course at least one semester prior to enrollment, including arranging supervision by an instructor with expertise in the student's area of interest. Prerequisites: SOCI 2530, SOCI 2530L and SOCI 3030, as well as permission of instructor and departmental head. **(1)**

SOCI 4902 - Independent Study

For advanced majors only. Students conduct an independent research project with the guidance of an instructor. Students will plan and conduct an original research project, culminating in a scholarly paper or presentation. Students should make plans to enroll in this course at least one semester prior to enrollment, including arranging supervision by an instructor with expertise in the student's area of interest. Prerequisites: SOCI 2530, SOCI 2530L and SOCI 3030, as well as permission of instructor and departmental head. **(2)**

SOCI 4903 - Independent Study

For advanced majors only. Students conduct an independent research project with the guidance of an instructor. Students will plan and conduct an original research project, culminating in a scholarly paper or presentation. Students should make plans to enroll in this course at least one semester prior to enrollment, including arranging supervision by an instructor with expertise in the student's area of interest. Prerequisites: SOCI 2530, SOCI 2530L and SOCI 3030, as well as permission of instructor and departmental head. **(3)**

SOCI 4950 - Senior Capstone Internship

Senior Capstone requires majors to apply what they've learned through the program by combining a student internship with class sessions that guide students through the process of creating a research proposal based on the work they are doing at their internship site. Additionally, this class will prepare students for life after graduation with workshops covering academic and professional pursuits, interpersonal relationships, financial literacy, and other relevant topics related to the transition from college student to college graduate. Prerequisite(s): Senior Status as a Sociology major and internship approved by start of the semester. **(3, ENGAGEMENTS/Senior Capstone)**

SOCI 4999 - Senior Comprehensives.

(0)

Spanish

SPAN 1010 - Elementary Spanish

Introduction to Spanish grammar and vocabulary for basic communication in the language. Students will be given ample opportunity to express themselves in Spanish, both orally and in writing. All four language skills of speaking, writing, reading, and listening will be developed and various aspects of Spanish culture will also be presented. **(3, FaSpSu)**

SPAN 1020 - Elementary Spanish

A continuation of Spanish 1010. Students will continue to study Spanish grammar and vocabulary for basic communication in the language. Students will be given ample opportunity to express themselves in Spanish, both orally and in writing. All four language skills of speaking, writing, reading, and listening will be developed and various aspects of Spanish culture will also be presented. **(3, FaSpSu)**

SPAN 1090 - Conversation and Culture

This course is organized around the communicative approach and the dissemination of cultural ideas. The communicative approach emphasizes communication in the language while at the same time practicing key grammar concepts. Students will review grammar concepts learned in SPAN 1010-SPAN 1020 or the equivalent and enhance their knowledge of these concepts through specific communication goals. They will further these communication skills by using the language to learn about key cultural concepts of the Spanish-speaking world. Prerequisite: minimum placement exam score (see departmental policy). **(3)**

SPAN 2010 - Intermediate Spanish

Review of grammar and further development of language skills in reading, writing, conversation and listening comprehension. Hispanic and pre- Hispanic cultures are presented through short stories (first semester). Continued development of the four language skills with intensive, in-depth study of the Spanish subjunctive. Short stories will be read and discussed with emphasis upon literary and cultural analysis (2nd. semester) **(3-3, FaSp)**

SPAN 2020 - Intermediate Spanish

Review of grammar and further development of language skills in reading, writing, conversation and listening comprehension. Hispanic and pre- Hispanic cultures are presented through short stories (first semester). Continued development of the four language skills with intensive, in-depth study of the Spanish subjunctive. Short stories will be read and discussed with emphasis upon literary and cultural analysis (2nd. semester) **(3-3, FaSp)**

SPAN 2051 - Spanish for Medical Personnel

This course provides a foundation of knowledge and experience for health care providers, enabling better communication with the Hispanic community. Vocabulary and grammar will be presented in a health care context. Students will also be given the opportunity to develop skills of listening and speaking Spanish. Spanish will be spoken at all times in class. Prerequisite: SPAN 1020 or equivalent. **(3)**

SPAN 2052 - Intermediate Spanish for Medical Personnel

This course builds upon SPAN 2051 and provides a foundation of knowledge and experience for health care providers, enabling better communication with the Hispanic community. Vocabulary and grammar will be presented in a health care context. Students will also be given the opportunity to develop skills of listening and speaking Spanish. Spanish will be spoken at all times in class. Prerequisite(s): SPAN 2051 or equivalent **(3)**

SPAN 3001 - Advanced Grammar and Composition

Intensive review of grammar. Emphasis on verbs, idioms, the subjunctive, and the spoken language. Readings and compositions will include literatures of lesser known cultures in the Americas and the Hispanic world. Prerequisites: SPAN 2010- SPAN 2020 or permission of instructor and department head. **(3)**

SPAN 3002 - Advanced Grammar and Composition

Intensive review of grammar. Emphasis on verbs, idioms, the subjunctive, and the spoken language. Readings and compositions will include literatures of lesser known cultures in the Americas and the Hispanic world. Prerequisites: SPAN 2010- SPAN 2020 or permission of instructor and department head. **(3)**

SPAN 3009 - Readings in Spanish Literature

Readings and literary analysis of Spanish (Peninsular) literature and its socio-historical context, from the Middle Ages through the 20th. Century, with special attention to the Black presence on the Iberian Peninsula and in Spanish literature, and to women writers through the centuries. **(3)**

SPAN 3010 - Readings in Spanish American Literature

The development of Spanish America as seen in its literature, from the Popol Vuh through the Romantics, Modernists, the novel of social protest, and contemporary authors. Emphasis is upon the development of reading competencies in preparation for enrollment in advanced literature courses. **(3)**

SPAN 3011 - Advanced Conversation

Conversation based on texts, videos, and Web-based sources. Analysis of cultural and some literary texts. Prerequisites: SPAN 2010-SPAN 2020 or permission of instructor and department head. **(3)**

SPAN 3012 - Advanced Conversation

Conversation based on texts, videos, and Web-based sources. Analysis of cultural and some literary texts. Prerequisites: SPAN 2010-SPAN 2020 or permission of instructor and department head. **(3)**

SPAN 3021 - Spanish Civilization

This course gives an overview of the geography, history, and cultural production of Spain and serves as an introduction to the socio-historic context of Spanish literature taught in more advanced classes required for majors and minors. Pre-requisites: SPAN 2020 or the equivalent; or placement test score of 3000. **(3)**

SPAN 3030 - Hispanic Culture I: Film, Art, and Music in Spain and Spanish America-Part 1: Medieval to Eighteenth Century

The course explores the literature, history, art and music in Spain and Spanish America from the medieval period to the eighteenth century as well as representations of these periods and places in film. It is organized chronologically and alternates between Spain and Spanish America. Taught in English. **(3)**

SPAN 3031 - Hispanic Culture II: Literature, Film, Art, and Music-Part 2: Nineteenth Century to the Present

This is a unique interdisciplinary multimedia course that explores the literature, history and culture of Spain and Spanish America through film, music and art from the Nineteenth Century to the present. Taught in English, this course reflects a synthesis of critical analysis and interpretations of the chronological presentations in texts and media. **(3)**

SPAN 3060 - Spanish for Medical Interpreters

This course covers topics necessary to the field of medical Spanish interpreting. Topics covered include: medical interpreting, medical terminology, ethics, cultural competencies, HIPAA law, Title VI and the Affordable Care Act, and national (NCIHC, IMIA, CHIA) and Standards for Culturally and Linguistically Appropriate Services (CLAS) standards. Focus will be given to privacy concerns and the ethical guidelines of interpreting in a medical setting. The course is designed to help students understand the role and boundaries of the medical interpreter in healthcare settings. Prerequisite(s): SPAN 2051 and SPAN 2052. **(3)**

SPAN 3110 - Survey of Spanish Literature

Main authors and literary trends from the Cantar de Mio Cid to 1650 (first semester). Main authors and literary trends from 1700 to the present (second semester) **(3)**

SPAN 3120 - Survey of Spanish Literature

Main authors and literary trends from the Cantar de Mio Cid to 1650 (first semester). Main authors and literary trends from 1700 to the present (second semester) **(3)**

SPAN 3130 - Survey of Spanish American Literature

Main authors and literary trends from the Popol Vuh through Romanticism (first semester). Main authors and literary trends from Modernismo and Realismo to the present (second semester) **(3)**

SPAN 3140 - Survey of Spanish American Literature

Main authors and literary trends from the Popol Vuh through Romanticism (first semester). Main authors and literary trends from Modernismo and Realismo to the present (second semester) **(3)**

SPAN 3540 - Spanish-American Novel

Development of the Spanish American novel as it correlates to Spanish American history, with emphasis upon the twentieth century. **(3)**

SPAN 3550 - Spanish-American Poetry

Indigenous poetry through the twentieth century with emphasis upon trends and major figures since 1888. **(3)**

SPAN 4010 - Cinematic Representations of Hispanic Literature

This course focuses on texts of Spain and Spanish America that have been made into movies. These texts range from the medieval period to the twentieth century and represent canonical contributions to Hispanic literature. Each of the eight texts will be compared and contrasted with their film renditions. The comparisons will yield much discussion and edification about Hispanic literature, history, and culture. Prerequisites: 6 hours of Spanish beyond SPAN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

SPAN 4015 - Spanish American Women Writers

(WMST 4015) The course explores poetry, short stories, and novels by women of the Spanish-speaking countries of Mexico, Central America, South America, and the Caribbean from the Spanish conquest of America to contemporary

Spanish America with special attention to the situation of women in different historical contexts and women's movements in Spanish America. Prerequisites: 6 hours of Spanish beyond SPAN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

SPAN 4016 - Women Writers of Spain

(WMST 4016) The course explores literature and socio-historic contexts of writing by women from the eighth-century Moorish occupation of the Iberian Peninsula to twenty-first-century Spain. Students will read poetry, drama, essays, and novels by Spanish women and learn about women's movements and women's situations in Spain from medieval times to the present. Prerequisites: 6 hours of Spanish beyond SPAN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

SPAN 4031 - Directed Readings in Spanish

Readings in an area of Spanish literature mutually agreed upon by teacher and student that is not covered by a current course. Prerequisites: Permission of instructor and department head. **(1)**

SPAN 4032 - Directed Readings in Spanish

Readings in an area of Spanish literature mutually agreed upon by teacher and student that is not covered by a current course. Prerequisites: Permission of instructor and department head. **(2)**

SPAN 4033 - Directed Readings in Spanish

Readings in an area of Spanish literature mutually agreed upon by teacher and student that is not covered by a current course. Prerequisites: Permission of instructor and department head. **(3)**

SPAN 4035 - Representations of Black Africans in Hispanic Literature

(AADS 4035, ALCS 4035) This course explores the representation of Black Africans in Spanish and Spanish American literary works starting in the Middle Ages and ending in the present. The class studies the historic roles of Black Africans in Spain, Spanish America and the Caribbean, and analyzes their presence in poetry, prose, and drama. Students learn about the development of racism and the intersection of race, class, and gender in Hispanic culture and literature. Prerequisites: placement test score of 400 or higher or completion of SPAN 3001 or higher. **(3)**

SPAN 4041 - Directed Readings in Spanish

Readings in an area of Spanish literature mutually agreed upon by teacher and student that is not covered by a current course. Prerequisites: Permission of instructor and department head. **(1)**

SPAN 4042 - Directed Readings in Spanish

Readings in an area of Spanish literature mutually agreed upon by teacher and student that is not covered by a current course. Prerequisites: Permission of instructor and department head. **(2)**

SPAN 4043 - Directed Readings in Spanish

Readings in an area of Spanish literature mutually agreed upon by teacher and student that is not covered by a current course. Prerequisites: Permission of instructor and department head. **(3)**

SPAN 4050 - Internship

Placement in a supervised work or research situation using Spanish. Prerequisite: Permission of department head. **(3)**

SPAN 4051 - Special Topics in Spanish

Critical analysis and exploration of Spanish language, culture, and literature. Topics vary according to the needs and interests of department faculty and majors. May be repeated for up to 12 hours of credit. Prerequisites: 6 hours of Spanish beyond SPAN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

SPAN 4052 - Special Topics in Spanish

Critical analysis and exploration of Spanish language, culture, and literature. Topics vary according to the needs and interests of department faculty and majors. May be repeated for up to 12 hours of credit. Prerequisites: 6 hours of Spanish beyond SPAN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

SPAN 4053 - Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature

(FREN 4053, LANG 4053) This course is a capstone course designed for the upper-level students majoring in either French or Spanish. Through readings of both critical texts and literary works, students develop a comprehension of the relationships among history, culture, ideology, and literary production. Students read the literary works under study in their target languages. Discussion is in English in order to accommodate majors from both languages. **(3)**

SPAN 4071 - Independent Study

Students conduct an independent study or research project with the approval, guidance and supervision of an instructor from the Department of Languages. The project must be an area of study or activity that is not covered by another course and may be conducted on or off campus. Prerequisites: Approval of instructor and department head. **(1)**

SPAN 4072 - Independent Study

Students conduct an independent study or research project with the approval, guidance and supervision of an instructor from the Department of Languages. The project must be an area of study or activity that is not covered by another course and may be conducted on or off campus. Prerequisites: Approval of instructor and department head. **(2)**

SPAN 4073 - Independent Study

Students conduct an independent study or research project with the approval, guidance and supervision of an instructor from the Department of Languages. The project must be an area of study or activity that is not covered by another course and may be conducted on or off campus. Prerequisites: Approval of instructor and department head. **(3)**

SPAN 4080 - Foreign Language Teaching Methodology

(FREN 4080, LANG 4080) An examination of conventional methodologies of teaching foreign languages. This presentation will be directed to both primary and secondary levels and will include the following topics, among others: analysis of the theoretical premises upon which each method is founded; critical assessment of the strengths and limitations of each method; demonstration of classroom techniques derived from the various methods; discussion of the proficiency orientation contained in each method; and analysis of current textbooks and materials with discussion of how they reflect the theories under study. The practical component of the course will be integrated through demonstrations of teaching techniques, peer teaching, class observations, and hands-on activities. **(3)**

SPAN 4998 - Spanish for Health Professionals Certificate Program Capstone

The course, which will consist of readings centering around various issues related to health issues in the Hispanic world and self-guided exercises related to the readings spaced regularly throughout the semester, will provide a means for students to assimilate and consolidate the material they have covered elsewhere in the certificate program, while connecting it with scholarly and technical literature of the relevant field(s). It will be an online course, which students who are enrolled in the certificate program may enroll in after they have completed 15 hours or concurrently with their last three hours. The capstone will culminate with a pass/ fail exam in which students will exhibit and apply the knowledge they have acquired. **(1)**

SPAN 4999 - Senior Comprehensives

(0, ENGAGEMENTS/Senior Capstone)

Speech Pathology

SPTH 1320 - Introduction to Communication Disorders

Definitions and methods of identifying various speech-language disorders, five hours of observation required. **(3)**

SPTH 2310 - Phonetics

Developmental use of the International Phonetic Alphabet for normal and irregular speech patterns. **(3)**

SPTH 2340 - Anatomy and Physiology of Speech and Hearing Mechanism

Identification and function of anatomical structures pertinent to the processes of speech and hearing. **(4)**

SPTH 2500 - Speech and Hearing Science

The basic principles of acoustics as applied to (a) the production of speech, including respiration, phonation, articulation, resonation, and (b) the perception of speech including auditory behavior. Prerequisite(s): SPTH 1320 and SPTH 2340 **(3)**

SPTH 2510 - Speech Science

The basic principles of acoustics as applied to the production of speech, including respiration, phonation, articulation, resonation, and neurological processes. Prerequisite(s): SPTH 2340 **(3)**

SPTH 2730 - Normal Language Development

Study of the normal acquisition and development of language; five hours of observation required. Prerequisite(s): SPTH 1320 **(3)**

SPTH 3010 - Language Disorders

Study of the nature and causes of language disorders in children and the evaluation and therapeutic procedures used. Five hours of observation required. Prerequisite(s): SPTH 2730 **(3)**

SPTH 3020 - School-Age Language and Literacy Disorders

This course addresses the relationship among language, literacy, and academic functioning in school-age children (ages 5 - 21 years) with typical and disordered language. Students will examine assessment and intervention strategies for school-age children and adolescents within the school system including language influences for diverse speakers and clinically significant etiologies. Prerequisite(s): SPTH 3010. **(3)**

SPTH 3075 - Special Topics in Speech Pathology/Audiology

Offered as needed. In-depth study through lecture, discussion, and research of a particular area or issue in the field of speech pathology or audiology. Specific subject matter to be chosen by the faculty. Prerequisite(s): At least six semester hours of speech pathology/audiology courses or permission of instructor. **(3)**

SPTH 3335 - Audiology

Anatomy and physiology of the ear, etiologies, testing (including pure tone, speech, tympanometry and OAE's). Five clock hours of observation required. Prerequisite(s): SPTH 2340 **(4)**

SPTH 3340 - Aural Rehabilitation

Interpretation of audiograms, auditory training, speech reading, prevention of hearing loss, special problems of acoustically handicapped. Prerequisite(s): SPTH 3535 **(3)**

SPTH 3535 - Hearing Testing

Theory and practicum for differential diagnostic audiometric testing. Includes basic pure tone, speech and special testing for determining site of lesion. Five hours of observation required. Prerequisite(s): SPTH 1320, SPTH 2340, SPTH 2500 and SPTH 3335. **(3)**

SPTH 3760 - Introduction to Clinic

Introduction to the techniques and materials used in speech and language assessment, treatment, ethics and professionalism and structure of clinical practice. Five hours of observation required. Prerequisite(s): SPTH 1320 and SPTH 2730 **(3)**

SPTH 3920 - Articulation and Phonological Disorders

Study of speech development, the causes of articulation disorders and procedures and methods for evaluation and treatment. Prerequisite(s): SPTH 1320 and SPTH 2310 **(3)**

SPTH 4131 - Independent Study

An opportunity for in-depth study, research, or additional clinical practicum in speech-language pathology or audiology. The topic or area of study will be initiated by the student and approved by the supervising faculty member. Prerequisite(s): Senior level status and/or permission of instructor. **(1)**

SPTH 4132 - Independent Study

An opportunity for in-depth study, research, or additional clinical practicum in speech-language pathology or audiology. The topic or area of study will be initiated by the student and approved by the supervising faculty member. Prerequisite(s): Senior level status and/or permission of instructor. **(2)**

SPTH 4133 - Independent Study

An opportunity for in-depth study, research, or additional clinical practicum in speech-language pathology or audiology. The topic or area of study will be initiated by the student and approved by the supervising faculty member. Prerequisite(s): Senior level status and/or permission of instructor. **(3)**

SPTH 4320 - Voice Disorders

Etiology, physiology, and pathology associated with the acoustic symptoms of the disorder; evaluation and current methods in voice pathology management. Prerequisite(s): SPTH 1320 and SPTH 2340 **(3)**

SPTH 4560 - Fluency Disorders

Exploration of stuttering theories, etiology, symptomatology, diagnosis, and treatment. Prerequisite(s): SPTH 1320 **(3)**

SPTH 4580 - Acquired Disorders

This course covers the underlying neuroanatomy and basic treatment techniques of neurogenic communication disorders, including aphasia, motor speech disorders, traumatic brain injury, cognitive communication disorders, right hemisphere disorders and dysphagia. Prerequisite(s): At least twelve semester hours of speech pathology courses or permission of instructor. **(3)**

SPTH 4601A - Clinical Practicum in Audiology

Supervised experience in performing hearing screenings, and evaluations. A minimum of 15 clock hours for the first semester and 25 clock hours for the second semester. Prerequisite(s): SPTH 2340, SPTH 3335, and 3525. **(1)**

SPTH 4601P - Clinical Practicum in Speech Pathology

Supervised experience working with persons with speech, language, and/or hearing problems; including screenings, evaluations and therapy. A minimum of 25 clock hours per semester. Prerequisite(s): SPTH 1320, SPTH 2310, SPTH 2340, SPTH 2730, 2920, SPTH 3760, and 4010. Students must have earned grade of B or better in SPTH 3920, SPTH 3760, and 4010 to enroll. **(2)**

SPTH 4602A - Clinical Practicum in Audiology

Supervised experience in performing hearing screenings, and evaluations. A minimum of 15 clock hours for the first semester and 25 clock hours for the second semester. Prerequisite(s): SPTH 2340, SPTH 3335, and 3525. **(2)**

SPTH 4602P - Clinical Practicum in Speech Pathology

Supervised experience working with persons with speech, language, and/or hearing problems; including screenings, evaluations and therapy. A minimum of 25 clock hours per semester. Prerequisite(s): SPTH 1320, SPTH 2310, SPTH 2340, SPTH 2730, 2920, SPTH 3760, and 4010. Students must have earned grade of B or better in SPTH 3920, SPTH 3760, and 4010 to enroll. **(2)**

SPTH 4999 - Senior Comprehensives

(0)

SPTH 5000 - Neuroanatomy

Structure and function of the neurological structures associated with communication and swallowing disorders. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Fa)**

SPTH 5010 - Language Learning Disorders

Study of language development and disorders of children from ages 5 through 18; includes assessment and remediation of reading, writing, spelling, speaking and listening as they relate to school achievement. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Fa)**

SPTH 5015 - Diagnostic Methods

Study of assessment and evaluation in speech-language pathology for a multicultural society. Emphasis is placed on criteria for test selection, techniques in test administration, and interpretation of test results. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Sp)**

SPTH 5020 - Motor Speech Disorders

Neurologic basis, assessment and treatment of dysarthria and apraxia. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Sp)**

SPTH 5025 - Aphasia & Cognitive Disorders

Study of the understanding, assessment and treatment of language and cognitive impairments associated with focal lesions to the left or right hemisphere. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Sp)**

SPTH 5030 - Research Methods

Introduction to research procedures in the study of communication science and disorders. Students will learn about the principles underlying quantitative and qualitative research designs and the types of statistical methods appropriate for the analysis of different kinds of data. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Fa)**

SPTH 5035 - Voice Disorders

Etiology, physiology, and pathology associated with the acoustic and resonating symptoms of the disorder, current methods in voice pathology identification and management. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Su)**

SPTH 5040 - Early Intervention

Introduction to early intervention programs and approaches for infants and toddlers with emphasis on the role of the speech-language pathologist in team intervention. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Su)**

SPTH 5045 - Augmentative & Alternative Communication

Theory and research associated with best practices in AAC in diverse settings and with diverse clientele. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Fa)**

SPTH 5050 - Dysphagia

Study of assessment and treatment of individuals with swallowing disorders. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Fa)**

SPTH 5055 - Fluency Disorders

A graduate level course study of stuttering theories, etiology, symptomatology, diagnosis, and treatment. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(3, Fa)**

SPTH 5060 - Multicultural Issues

Clinical application of research to address the changing needs of our society. Prerequisite(s): Enrollment into the M.S. program in Speech-Language Pathology. **(2, Sp)**

SPTH 5065 - Professional Issues

Professional and ethical practices in speech-language pathology. **(2, Sp)**

SPTH 5070 - Clinical Practicum I

Beginning supervised clinical practice therapy for communication disorders; usually on-campus, Level I. Prerequisite(s): Enrollment into the M.S. Program in Speech Language Pathology and a minimum of 25 observation hours of speech pathology therapy/assessment. **(2)**

SPTH 5075 - Clinical Practicum II

Supervised clinical practice therapy for communication disorders including diagnostics, Level II. Prerequisite(s): Students must have earned grade of "B" or better in SPTH 5070 to enroll. **(2)**

SPTH 5080 - Clinical Practicum III

Supervised clinical practice therapy for communication disorders, including audiology and aural rehabilitation Level III. Prerequisite(s): Students must have earned grade of "B" or better in SPTH 5075 to enroll. **(2)**

SPTH 5085 - Clinical Practicum IV

Advanced supervised clinical practice therapy for communication disorders, Level IV. Prerequisite(s): Students must have earned grade of "B" or better in SPTH 5080 to enroll. **(2)**

SPTH 5090 - Externship

Full time off campus supervised clinical practice therapy, divided into two settings (school, medical) of six weeks each. Prerequisite(s): Students must have earned grade of "B" or better in SPTH 5085 to enroll. **(6)**

Statistics

STAT 2010 - Statistical Methods I

(MATH 1020) Descriptive statistics, probability and statistical inference. Students may not receive credit for both MATH 1020 (STAT 2010) and ECON 2070. Prerequisite(s): Completion of all developmental math requirements, if needed. **(3, FOUNDATIONS/Quantitative Reasoning)**

STAT 2015 - Biostatistics

Applications of descriptive and inferential statistics to health science disciplines. Introduction of specialized techniques used in biomedical sciences. Prerequisite(s): Grade of "C" or higher in MATH 1070/MATH 1070H. Corequisite(s): STAT 2015D. **(3, FaSpSu)**

STAT 2015D - Biostatistics Drill

Applications of descriptive and inferential statistics to health science disciplines. Introduction of specialized techniques used in biomedical sciences. Biostatistics Drill meets once per week. Prerequisite(s): Grade of "C" or higher in MATH 1070/MATH 1070H. Corequisite(s): STAT 2015. **(0, FaSpSu)**

STAT 2021 - Statistical Methods II

Descriptive statistics, probability and statistical inference. SPSS (STATCRUNCH version) and/or R are utilized as the statistical software for this course. All sections are coordinated and have a common final exam. This course has 3 hours of lecture and 1 hour of laboratory per week. Prerequisite(s): Grade of "C" or higher in STAT 2015 or MATH 1020 (STAT 2010) or ECON 2070. **(4, FaSp)**

STAT 3700 - Multivariate Data Analysis

(SMKT 3700) Usually offered fall semester. This course will focus on advanced marketing research methods (multivariate data analysis techniques). Students will examine various multivariate techniques and apply them to managerial marketing situations and research questions. Prerequisite(s): SMKT 2050, ECON 2070, and ECON 2080 or [MATH 1020 (STAT 2010) and STAT 2021] or permission of instructor. **(3)**

STAT 3800 - Experimental Design

Introduction to the Design and Analysis of Experiments - The principles of the design and analysis of experiments. Comparative Experiments, One-Way ANOVA, Randomized and Incomplete Block Designs, Latin and Graeco-Latin squares, factorial experiments, 2^k and 3^k designs and Confounding. Prerequisite(s): Grade of "C" or better in MATH

1070 (or MATH 1070H) and STAT 2010 (or MATH 1020) or STAT 2015/STAT 2015D or permission of the Instructor. **(3)**

STAT 3810 - Regression Analysis

Basic linear algebra, correlation, simple linear regression, the principle of least squares, inferences on regression parameters, confidence and prediction envelopes, residuals. Multiple regression, multicollinearity, polynomial regression, model building for regression, diagnostics and remedial measures, logistic regression. Conceptual foundations are addressed as well as hands-on use for data analysis. Prerequisite(s): Grade of "C" or better in MATH 1070 (or MATH 1070H), STAT 2010 (or MATH 1020), and STAT 2015/STAT 2015D or permission of the instructor. **(3)**

STAT 3820 - Analysis of Variance

Single factor ANOVA, analysis of factor effects, implementation of ANOVA model, two factor analysis of variance. Conceptual foundations are addressed as well as hands-on use for data analysis. Prerequisite(s): Grade of "C" or better in STAT 3810 or permission of the Instructor **(3)**

STAT 4040 - Mathematical Probability and Statistics I

(MATH 4040) Introduction to concepts of probability and random variables. Discrete and continuous distribution with applications. Algebra of expectations. Covariance and correlation in two random variables. Prerequisite(s): Grade of "C" or better in MATH 2080 and in STAT 2010 (MATH 2010) or equivalent or permission of instructor. **(3)**

STAT 4045 - Mathematical Probability and Statistics II

(MATH 4045) Purpose and nature of sampling, particularly from normal populations. Chi-square, t, and F distributions. Formulating and testing statistical hypotheses, point and interval estimation. Prerequisite(s): Grade of "C" or higher in STAT 4040 (or MATH 4040) or permission of instructor. **(3)**

STAT 4201 - Special Topics

Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisite(s): Permission of the instructor. **(1)**

STAT 4202 - Special Topics

Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisite(s): Permission of the instructor. **(2)**

STAT 4203 - Special Topics

Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisite(s): Permission of the instructor. **(3)**

STAT 4511 - Colloquium

(MATH 4511) Topic determined each semester by faculty. Independent work by students under the guidance of a faculty member to be presented orally and in writing to student majors and faculty. Meets once per week.

Prerequisite(s): A grade of "C" or higher in all MATH or STAT required courses at the 2000-level and junior or senior status. **(1)**

STAT 4521 - Colloquium

(MATH 4521) Topic determined each semester by faculty. Independent work by students under the guidance of a faculty member to be presented orally and in writing to student majors and faculty. Meets once per week. Prerequisite(s): STAT 4511. A grade of "C" or higher in all MATH or STAT required courses at the 2000-level and junior or senior status. **(1, ENGAGEMENTS/Senior Capstone)**

STAT 4999 - Senior Comprehensives

(0)

Theology

All Theology courses are reading and writing intensive and the successful completion of all developmental reading and developmental English courses is a prerequisite.

THEO 1100 - The Christian Faith

Introduces the Christian Theological Tradition by presenting the historical, cultural and social contexts for past and contemporary Christian Faith. **(3, EXPLORATIONS/Faith & Society)**

THEO 1120 - Introduction to Biblical Studies

Introduces the discipline of biblical studies by applying various methodologies used by Bible scholars to the Hebrew and Christian Scriptures. Examines the historical and cultural traditions that influenced the Bible, and the religious beliefs of ancient Israel. Requires careful reading of major portions of the Bible. **(3, EXPLORATIONS/Faith & Society)**

THEO 1122 - Introduction to Biblical Hebrew

(HBWR 1122) An introductory course for students with little or no previous training in Hebrew. Introduces basic vocabulary and grammatical structure. Theological focus includes reading in the Hebrew language and discussing theophanies, biblical law, descriptions of God, and biblical poetry. Also introduces students to textual criticism. **(3, EXPLORATIONS/Faith & Society)**

THEO 1123 - Introduction to Biblical Hebrew

(HBWR 1123) An introductory course for students with little or no previous training in Hebrew. Introduces basic vocabulary and grammatical structure. Theological focus includes reading in the Hebrew language and discussing theophanies, biblical law, descriptions of God, and biblical poetry. Also introduces students to textual criticism. Prerequisite: THEO 1122/HBWR 1122. **(3, EXPLORATIONS/Faith & Society)**

THEO 1124 - Introduction to Biblical Greek

(GREK 1124) This course provides a basic introduction to the Greek language used in writing the New Testament. The student will be instructed in the basic morphology of koine Greek in order to develop translation skills from Greek to

English and facilitate readings of New Testament passages and for interpreting various Christological views. The grammar is deductive in approach. This course also introduces students to the study of textual criticism and the textual apparatus of The Greek New Testament. **(3)**

THEO 1125 - Introduction to Biblical Greek

(GREK 1125) This course provides a basic introduction to the Greek language used in writing the New Testament. The student will be instructed in the basic morphology of koine Greek in order to develop translation skills from Greek to English and facilitate readings of New Testament passages and for interpreting various Christological views. The grammar is deductive in approach. This course also introduces students to the study of textual criticism and the textual apparatus of The Greek New Testament. Prerequisite: Successful completion of THEO 1124/GREK 1124. **(3)**

THEO 1130 - Introduction to Black Catholic Theology

This course investigates the historical context of Black Catholicism and the critical and constructive work of Black Catholic theology. **(3)**

THEO 1170 - Introduction to Theology

Introduces theology by presenting the sources and methods for doing theology and using those preliminary guidelines to approach various types of Christian theology. **(3, EXPLORATIONS/Faith & Society)**

THEO 2001 - The Torah of Israel

Studies the core concepts of the Torah in light of modern biblical scholarship and looks at various traditional ways Jews, Christians, and Muslims have interpreted this block of biblical literature. **(3, EXPLORATIONS/Faith & Society)**

THEO 2002 - Prophets and Prophecy

Examines the phenomenon of prophecy in the ancient Near East, the historical, literary, and cultural situation of the various prophets and their major theological emphases. **(3, EXPLORATIONS/Faith & Society)**

THEO 2003 - Psalms and Wisdom Literature

Explores Hebrew poetic techniques, the various types of psalms and their setting in Israel's life; examines the origins and function of Israel's wisdom traditions. **(3, EXPLORATIONS/Faith & Society)**

THEO 2021 - The Synoptic Gospels and Acts

Studies the content of the synoptic Gospels of the New Testament and the Book of Acts as well as their literary, historical, social and theological contexts; compares and contrasts the various portraits of Jesus, their messages for the early Christians, and their relevance for modern readers. **(3, EXPLORATIONS/Faith & Society)**

THEO 2022 - Letters of Paul

Examines the various letters in the Christian Scriptures associated with Paul; investigates the social settings and theological themes found in these letters and the contemporary disputes over the proper interpretation of this material. **(3, EXPLORATIONS/Faith & Society)**

THEO 2023 - Apocalyptic Literature and the Book of Revelation

Investigates the historical and cultural situation of apocalyptic literature prior to and including the Book of Revelation; the major theological emphases found in Jewish and Christian apocalypses; critiques various ancient and modern interpretations of the Book of Revelation. **(3, EXPLORATIONS/Faith & Society)**

THEO 2024 - The Gospel and Letters of John

This course offers an introduction to the Gospel of John. Primary focus will be upon the textual narrative and theology of John's Gospel, with detailed examination of key Christological passages. It will also provide an examination of the Gospel's literary structures and techniques, especially its symbolic framework and its theological themes, the relationship of John's Gospel to the Synoptic traditions, and the possible concerns and context of the Johannine community. **(3)**

THEO 2070 - Introduction to Bioethics

PHIL 2070 Introduces and provides a foundation for the interdisciplinary study of Bioethics, engaging in particular the disciplines of Philosophy, Biology, Theology, Public Health Sciences, Psychology, and Sociology. This course is designed to give students a broad overview of the methods, core content areas, and central ethical questions in this field. **(3, EXPLORATIONS/Faith & Society)**

THEO 2100 - Comparative Religion

Examines the relationship of Christianity to one or more of the world's religions. **(3, EXPLORATIONS/Faith & Society)**

THEO 2110 - Historical Survey of the Catholic Church

Presents the history of the Church, including the development of various forms and branches of Christianity. **(3)**

THEO 2120 - Catholicism

Studies the theology, doctrine, ritual and moral principles specific to the Roman Catholic Church. **(3)**

THEO 2150 - Theological Perspectives of African American Christianity

Explores the meaning and theological implications of African American Christianity. **(3)**

THEO 2220 - Islam: Origins and Historical Impact

(HIST 2220, XCOR 3020) Examines the origins of Islamic religion and culture, as well as its history and global impact, by employing theological and historical methodologies. **(3, EXPLORATIONS/Faith & Society, EXPLORATIONS/Human Past)**

THEO 2250 - Religions of the Ancient Near East

(HIST 2250) Examines religion in ancient Egypt, Mesopotamia, Syria, and Israel/Canaan through reading ancient Near Eastern religious texts, viewing religious iconography, and examining religious architecture and cultic implements. The course will explore these ancient societies' answers to such questions as the nature of the divine, the relationship

between the divine and humans (including all classes of society), creation, problems of theodicy, and their notions of afterlife. **(3, EXPLORATIONS/Faith & Society, EXPLORATIONS/Human Past)**

THEO 2410 - Christianity in the Early Period

Explores the history of Christianity in the first five centuries. **(3)**

THEO 2420 - Christianity in the Medieval Period

Explores the history of Christianity from Augustine to the Protestant Reformation. **(3)**

THEO 2440 - Christianity in the Modern Period

Explores the history of Christianity from the Protestant Reformation to the present. **(3)**

THEO 2500 - Theological Ethics

Presents the Catholic tradition of morality with attention to selected moral issues in contemporary society. **(3, EXPLORATIONS/Faith & Society)**

THEO 2550 - Environmental Issues in Christian Perspective

(XCOR 3020) Explores modern and contemporary environmental issues from a Christian theological perspective. **(3, EXPLORATIONS/Faith & Society)**

THEO 2600 - Women in Religion

Investigates womanist and feminist issues in religion and theology. **(3, EXPLORATIONS/Faith & Society)**

THEO 2700 - Religion and Theology in North America

Studies the development of religious and theological issues in North America. **(3)**

THEO 2800 - Perspectives in Contemporary Theology

Examines contemporary national and international perspectives in theology, and the major theologians who represent them. **(3)**

THEO 2900 - Christianity and Racial Capitalism

This course analyzes the role Christian tradition has played within the historical emergence and policing of "racial capitalism"-that is, the creation, globalization, and management of social relations that serve profit maximization through the use of race as a marker of value. Further, the course will critically engage theological responses to the historical reality of racial capitalism from within Christian tradition. **(3, EXPLORATIONS/Faith & Society)**

THEO 3000 - Sacramental Theology

Investigates the basic principles of sacramental theology in Catholicism and other Christian communities. **(3)**

THEO 3010S - Seminar

Seminar on specialized topics in the related fields of theology. **(1)**

THEO 3012S - Seminar: Research and Presentation Methods in Theology

A seminar con-ducted in conjunction with various full-time faculty members to gain practical experience in using the tools and methods appropriate to various Theological specializations. **(1)**

THEO 3020S - Seminar

Seminar to prepare for comprehensive exams. **(1)**

THEO 3025 - The Ideal Society

(ENGL 3025, PHIL 3025, XCOR 3010) This is an interdisciplinary course which employs humanistic methods to explore religious, philosophical and literary conceptions of an ideal society. Students will use literary works to inspire and imagine their own model of an ideal society, while learning to justify its values and structures rationally and with recourse to theological reflection. Prerequisites: ENGL 1010; Three Semester Hours in Philosophy (No Theology prerequisites) **(3)**

THEO 3030S - Seminar

Utilizes readings and lectures based on the research of individual faculty members. **(3)**

THEO 3060 - Theological Understanding of Jesus Christ

Examines the historical and theological perspectives of Jesus Christ as presented in the Christian scriptures, in early centuries of Christian thought, and in subsequent Christian reflection. **(3)**

THEO 3080 - Theological Understanding of the Catholic Church

Explores the essential nature of the Catholic Church from a theological perspective. **(3)**

THEO 3120 - Methods of Biblical Study

Examines the field of biblical studies by concentrating on one or more methodologies, including archaeology, historical criticism, social-scientific methods, and/or literary-based analysis. **(3)**

THEO 3200 - Theological Foundations of Social Justice

Investigates theological texts that give a basis for justice and its meaning for contemporary society. **(3, EXPLORATIONS/Faith & Society)**

THEO 3300 - Religion in Africa

Explores aspects of religious belief and practice in traditional African religion, Christianity, Islam and Independent African churches, as well as African Theologies of liberation and incarnation. **(3)**

THEO 3370 - History of Jewish Thought

Presents an overview of Jewish historical religious tradition. **(3)**

THEO 3410 - Theological Perspectives of the Reformation

Explores the historical, cultural and social contexts from which the various expressions of reform movements began. The course will examine the theologies of the Protestant Reformers, the radical Reformers, and the Roman Catholic Counter-Reformation. **(3)**

THEO 3500 - The Theology of Flannery O'Connor

(ENGL 3500, XCOR 3010) This course is an intensive study of the theological concepts found in the writings of American fiction writer Flannery O'Connor. In addition, students will consider the works purely as literature, therefore reinforcing skills learned in other literature courses. **(3)**

THEO 3666 - The Devil in Sacred and Secular Literature

(ENGL 3666, XCOR 3020) This course examines the theological and literary origins and evolution of the portrayal of the devil, from God's prosecuting attorney in the Hebrew Bible to later portrayals as a monster of scientific creation. Students will explore how the character of the devil and the problem of evil impact a just and humane society by studying sacred texts from around the globe, including but not limited to the Hebrew Bible, the New Testament, and the Koran, as well as secular literature including but not limited to such texts as Dante's *Inferno*, Marlowe's *Dr. Faustus*, Milton's *Paradise Lost*, and Defoe's *Political History of the Devil*. **(3, EXPLORATIONS/Faith & Society)**

THEO 3850 - Theology and Science

Examines the relationship between theology and science by looking at the historical development of the relationship, how theology relates to the methods and theories of science, and how theology and science have influenced, and continue to influence, one another. **(3)**

THEO 4000 - Capstone Seminar

The Capstone Seminar is designed to demonstrate your accumulated training in Theology in a single original project of your choice, subject to the instructor's approval and under the additional supervision of a faculty mentor. The completed thesis or project should bring together the project thesis and each of the three concentrations in the Theology Program. The Capstone necessitates multiple drafts of your research that are subjected to heightened peer review and regular feedback from your instructor, your peers, and your mentor. Prerequisites: THEO 1100, THEO 1120, and THEO 1170 **(3, ENGAGEMENTS/Senior Capstone)**

THEO 4001 - Directed Readings

Permission of chairperson. **(1, 2, or 3)**

THEO 4002 - Directed Readings

Permission of chairperson. **(1, 2, or 3)**

THEO 4003 - Directed Readings

Permission of chairperson. **(1, 2, or 3)**

THEO 4999 - Senior Comprehensives

(0)

Vocal And Instrumental Ensembles

MUEN 1010S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 1010U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 1020S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 1020U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 1030C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 1040C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 1051J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 1061J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 1310U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 1320U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 1330C - Concert Choir

Membership limited by audition. **(1)**

MUEN 1331xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 1332xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 1333xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 1340C - Concert Choir

Membership limited by audition. **(1)**

MUEN 1341xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 1342xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 1343xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 1351O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 1352O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 1353O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 1361O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 1362O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 1363O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 1370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 1370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 1380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 1380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 1910S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 1920S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 1951J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

MUEN 1961J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

MUEN 2010S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 2010U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 2020S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 2020U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 2030C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 2040C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 2051J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 2061J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 2310U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 2320U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 2330C - Concert Choir

Membership limited by audition. **(1)**

MUEN 2331xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 2332xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 2333xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 2340C - Concert Choir

Membership limited by audition. **(1)**

MUEN 2341xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 2342xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 2343xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 2351O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 2352O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 2353O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 2361O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 2362O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 2363O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 2370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 2370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 2380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 2380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 2910S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 2920S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 2951J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

MUEN 2961J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

MUEN 3010S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 3010U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 3020S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 3020U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 3030C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 3040C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 3051J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 3061J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 3310U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 3320U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 3330C - Concert Choir

Membership limited by audition. **(1)**

MUEN 3331xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 3332xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 3333xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 3340C - Concert Choir

Membership limited by audition. **(1)**

MUEN 3341xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 3342xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 3343xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 3351O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 3352O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 3353O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 3361O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 3362O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 3363O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 3370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 3370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 3380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 3380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 3910S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 3920S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 3951J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

MUEN 3961J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

MUEN 4010S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 4010U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 4020S - Symphonic Band

Open to all students of the University community, except music majors. **(2 for non-music majors only)**

MUEN 4020U - University Chorus

Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. **(2 for non-music majors only)**

MUEN 4030C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 4040C - Concert Choir

Membership limited by audition. Not open to music majors. **(2 for non-music majors only)**

MUEN 4051J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 4061J - Jazz Laboratory Band

Study and performance of modern jazz literature. Not open to music majors. **(2 for non-music majors only)**

MUEN 4310U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 4320U - University Chorus

Open to all members of the University community. No audition necessary, but previous choral experience required. **(1)**

MUEN 4330C - Concert Choir

Membership limited by audition. **(1)**

MUEN 4331xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 4332xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 4333xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 4340C - Concert Choir

Membership limited by audition. **(1)**

MUEN 4341xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(1)**

MUEN 4342xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(2)**

MUEN 4343xx - Chamber Ensemble

Study and performance of chamber music in various instrumental combinations. (Course carries instrument suffix.) **(3)**

MUEN 4351O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 4352O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 4353O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 4361O - Opera Workshop

Staged productions of operas and operatic scenes. **(1)**

MUEN 4362O - Opera Workshop

Staged productions of operas and operatic scenes. **(2)**

MUEN 4363O - Opera Workshop

Staged productions of operas and operatic scenes. **(3)**

MUEN 4370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 4370C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 4380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(2 for non-music majors only)**

MUEN 4380C - Contemporary Group

Study and performance of a variety of contemporary musical styles. **(1)**

MUEN 4910S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 4920S - Symphonic Band

Open to all students of the University community. **(1)**

MUEN 4951J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

MUEN 4961J - Jazz Laboratory Band

Study and performance of modern jazz literature. **(1)**

Women's Studies

WMST 1030 - Introduction to Women's Studies

This course is an interdisciplinary, cross-cultural introduction to the study of women. Focusing on intersections of class, race and gender, students will investigate the ramifications of cultural, social, economic, political, psychological and spiritual forces on women's lives. Students will also explore how structures of domination, power and identity affect, define and shape women. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior)**

WMST 1500 - Women in World History

(HIST 1500) Provides an overview of the history of women in world civilization from roughly 100 A.D to the present, with emphasis on the lived experiences of women in a wide range of different cultural contexts, as well as the construct of gender in society. Prerequisite(s): None **(3)**

WMST 2040 - Sociology of Gender

(SOCI 2040) This introduction to the sociological study of gender addresses the social processes of learning gender identities, its role in shaping society and the relationship between gender and power. Topics include theoretical approaches to the study of gender, gender dynamics in various social institutions, and the intersection of gender with other social identities, such as class, race, ethnicity and sexuality. In addition, the course explores the variation in gender identities across social groups, time, place and sexual identity. Prerequisite(s): Any 1000 level sociology course or WMST 1030 and instructor's permission. **(3)**

WMST 2125 - Women's Writing

(ENGL 2125) A survey of literature and feminist theory by women writers. **(3, EXPLORATIONS/Creative Expression & Engagement)**

WMST 2240 - Politics of Gender and Sexuality

(PSCI 2240) This course examines gender and sexuality as political identities. It will address the impact of gender and sexuality on individual political behavior as well as the impact of political movements on these political identities. In addition, the course will address how governments and the political arena define gender and its relationship to sexuality. Prerequisite(s): None **(3, EXPLORATIONS/Human Behavior)**

WMST 2600 - Women in Religion

(THEO 2600) Investigates womanist and feminist issues in religion and theology. Prerequisite(s): None **(3)**

WMST 3000 - Special Topics in Women's Studies

This course is designed to develop more fully topics, genres, periods, and texts that are touched upon in the Introduction to Women's Studies (WMST 1030) course. It is taught from an interdisciplinary feminist perspective, which emphasizes approaches to and methodologies in the study of the Humanities, Social and Behavioral Sciences and related disciplines. The course may be taken more than once provided that the content differs from that of a previous Special Topics class. **(3)**

WMST 3010 - Women in International Contexts

(HIST 3010) A comparative exploration of women's history during the late nineteenth and early twentieth centuries. This course focuses on the similarities and differences between the experiences of women in different parts of the world, with particular emphasis on personal narratives. Prerequisite(s): None **(3)**

WMST 3022 - Afro-Francophone Women Writers

(AADS 3022, ALCS 3022, FREN 3022) The course studies novels by women from French-speaking African countries such as Cameroon, Senegal, Ivory Coast, Algeria, and Congo supplemented with films set in Burkina Faso and Mali that deal with women's issues. Historical contexts, feminist movements, and women's roles are considered in order to situate the literature. The class utilizes a book-club discussion format as well as student oral presentations, weekly essays, and a final paper. Prerequisites: FREN 2010-FREN 2020 or permission of instructor and department head. **(3)**

WMST 3035 - Psychology of Gender

(PSYC 3035) Focuses on how gender as a social construct shapes the lives of men and women in contemporary society. Specific issues addressed include ideas and stereotypes about masculinity and femininity; gender differences and similarities in cognitive abilities, personality, and social behavior, gender roles in families; the economic dynamics associated with gender; representations of men and women in the media and culture; physical and mental health implications of gender, and the potential for change in gender relations and gender inequality. Prerequisite: Approval of instructor. **(3)**

WMST 3080 - Gender and Communication

(CMST 3080) This course is developed to stimulate understanding of how gender is conceptualized and operationalized in order to socialize individuals into particular kinds of gendered identities. It also seeks to help students understand how the ideological and social construction of gender impacts the ways in which individuals perform gender as well as how those performances are variably perceived by different audiences. **(3)**

WMST 3125 - Twentieth Century Women Writers

(ENGL 3125) A study of literature and feminist theory by women writers from approximately 1900 to the present. Prerequisite(s): None **(3)**

WMST 3333 - Women and Media

(MSCM 3333) This course is developed to explore the media treatment and history of women as media makers. It serves as a foundation for critical inquiry as students explore the media created and mediated "body politic" of women of color. The course is an introduction to critical thinking about the unique experiences of women with respect to the construction of the media as it defines gender and the ways that the intersections of gender, race, ethnicity, politics, class, and sexuality shape their lives. **(3)**

WMST 3390 - African-American Women's History

(HIST 3390) Examines the unique historical experiences of women of African descent in the United States from the colonial era to the present. Focuses on Black women's contributions to American society and the impact of race, class and gender issues on the experiences of African American women. Prerequisite(s): Any 3 credits in History **(3)**

WMST 3400 - Dimensions in Women's Health

This is an elective course in the study of women's health in the United States. It focuses on factors affecting women's health and the methodological issues in research about women's health across political, economic and socio-cultural lines. The course will review areas such as the Epidemiology of Women's Health, Health Promotion and Morbidity Prevention; Sexual Health across the life span, and the psychological and psychosocial conditions of women's health. Students will learn to evaluate the role of medical personnel in decreasing these problems while optimizing health related quality of life (QOL) issues. Prerequisite(s): BIOL 1030 or BIOL 1230. **(3, EXPLORATIONS/Human Behavior)**

WMST 3990 - Feminist Theory

This course introduces students to the complexities of feminist thought. Calling upon theory from a range of disciplines, the course addresses gender as a social construct and examines how such constructs can create and perpetuate inequality. Prerequisite(s): WMST 1030. **(3, EXPLORATIONS/Human Behavior)**

WMST 4015 - Spanish American Women Writers

(SPAN 4015) The course explores poetry, short stories, and novels by women of the Spanish-speaking countries of Mexico, Central America, South America, and the Caribbean from the Spanish conquest of America to contemporary Spanish America with special attention to the situation of women in different historical contexts and women's movements in Spanish America. Prerequisites: 6 hours of Spanish beyond SPAN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

WMST 4016 - Women Writers of Spain

(SPAN 4016) The course explores literature and socio-historic contexts of writing by women from the eighth-century Moorish occupation of the Iberian Peninsula to twenty-first-century Spain. Students will read poetry, drama, essays, and novels by Spanish women and learn about women's movements and women's situations in Spain from medieval times to the present. Prerequisites: 6 hours of Spanish beyond SPAN 2020, a rating of Intermediate High on the American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview, or permission of the instructor. **(3)**

WMST 4080 - Race, Class and Gender Inequality

(SOCI 4080) This course is about social inequality. It addresses the causes and effects of crystallized, historical, institutional, procedural, systemic, unequal distribution of desirable but scarce values among ranked population groupings (social strata) with major attention given to this social phenomenon within urban, industrial society. Prerequisite(s): WMST 1030 or any 1000 level sociology course. **(3)**

WMST 4125 - A Woman Writer

(ENGL 4125). A Woman Writer is intended to introduce students to the study of literature and feminist theory by a particular woman writer. Each semester the focus will be on one woman writer from any century whose work may include a single genre or several, including poetry, essays, short stories, novels, or plays. Prerequisite(s): ENGL 1020 **(3)**

Xavier Core

XCOR 1000 - College Experience

XCOR 1000 serves as a foundation for the Xavier academic experience. This course aids in the transition to college life by encouraging students to build connections with faculty, staff, and other students in the university community, and to focus on the skills needed for success at Xavier. Students learn about key components of the Xavier support system available to them, become more engaged with our distinct mission, and begin to reflect on their role in becoming more engaged citizens. XCOR 1000 introduces students to Xavier's unique Core Curriculum and helps them discover strategies to construct individualized academic pathways. **NOTE:** Instructors develop their own unique courses, based on a common course syllabus and a shared reading, from which individual syllabi will be built. **(1, FOUNDATIONS)**

XCOR 1011 - Xavier Experience

This course challenges students to think deeply about the meaning of a just and humane society while fostering the development of critical thinking skills, oral and written communication skills, and socially responsible and ethical principles. This course introduces Xavier students to college-level inquiry through engagement with broad issues or questions. Each unique Xavier Experience Seminar is designed by faculty, but must include foundations in Xavier's mission as well as our identity as a Catholic and historically Black institution. Prerequisite(s): ENGL 1000/ENGL 1010 & XCOR 1000/Permission of the Faculty Director of Core Curriculum. **(3, FOUNDATIONS)**

XCOR 1012 - New Orleans Experience

This course invites students to select a course from an array of topics emphasizing the diverse cultures, environments, and institutions of the New Orleans metropolitan community and Southeast Louisiana. While the city and region serve as text and subject of inquiry, each unique New Orleans Experience course is designed by faculty to increase student engagement and to enhance critical thinking, oral communication, and written communication skills. Prerequisite(s): ENGL 1000/ENGL 1010 & XCOR 1000/Permission of the Faculty Director of Core Curriculum. **(3, FOUNDATIONS)**

XCOR 3010 - Engaging the Mission

Courses approved in this category challenge students to think more deeply about ideas, practices, and values that align with Xavier's mission and reinforce critical thinking, as well as oral and written communication skills. Students learn to integrate diverse perspectives with a breadth and depth of knowledge, while also utilizing different, methodologies to find solutions to complex problems. Students choose from a variety of unique seminar topics developed by faculty and organized around different "big ideas." Service learning courses are encouraged. Prerequisite(s): XCOR 1011/XCOR 1012 and completed at least 60 hours **(3, ENGAGEMENTS)**

XCOR 3020 - Engaging Global Issues

Courses approved in this category challenge students to explore particular social, cultural, economic, or political issues of global significance, and reinforce critical thinking, as well as oral and written communication skills. Students learn to integrate diverse perspectives with a breadth and depth of knowledge, while also utilizing different, methodologies to find solutions to complex problems. Students choose from a variety of unique seminar topics developed by faculty and organized around different "big ideas." International study courses are encouraged. Students who earn at least 12 hrs. in an international study abroad program receive exemption from the Engaging Global Issues requirement. Prerequisite(s): XCOR 1011/ XCOR 1012 and completed at least 60 hours **(3, ENGAGEMENTS)**

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