



# CATALOG 2008 - 2010

XAVIER UNIVERSITY OF LOUISIANA  
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The information in this catalog applies to the academic years 2008-2009 and 2009-2010. 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.

Each Xavier student is held responsible for awareness of and compliance with all scholastic rules and regulations and the degree requirements in his or her program of study.

Xavier University of Louisiana admits students of any race, color, national and ethnic origin, gender, handicap, 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, or religion in administration of its employment and educational policies, admissions policies, scholarship and loan programs, and other University-administered programs.

# General Information

## MISSION STATEMENT

Xavier University of Louisiana is Catholic and historically Black. The ultimate purpose of the University is the promotion of a more just and humane society. To this end, Xavier prepares its students to assume roles of leadership and service in society. This preparation takes place in a pluralistic teaching and learning 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 105 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 from which Xavier evolved ten years later in 1925. 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 maintain a vital presence on campus, today Xavier is governed by an independent, lay/religious Board of Trustees on which the Sisters have representation. Its president, Dr. Norman C. Francis, himself a Xavier graduate, is a nationally recognized leader in higher education.

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 nearly 75 percent of Xavier's students are of other religious affiliations and 30 percent are not African American.

Xavier currently enrolls an average 3,000 students. Prior to Hurricane Katrina in 2005, the university had experienced a dramatic increase in enrollment to a

record 4,100 students. The post-Katrina enrollment trend is definitely moving upward.

More than half of Xavier's students are from Louisiana. The balance come from some 38 states, Washington, D.C., the U.S. Virgin Islands, and several countries.

Prospective Xavier students can obtain academic support as early as junior high school. Highly popular and successful pre-college programs – each designed to improve the analytical reasoning skills of students – are offered each summer in science, mathematics and the humanities.

Xavier students are nurtured in the type of environment available only at a small college. A full-time faculty of educators, religious and lay, of diverse ethnic and racial origins – 92 percent of whom hold doctorates – provides a comfortable student/faculty ratio of 15/1.

Opportunities exist for students to participate in relevant research under faculty mentors. All students are encouraged to supplement their Xavier experience by serving internships.

Xavier's undergraduate curriculum is centered in the liberal arts, with all students required to take a core of prescribed courses in theology and philosophy, the arts and the humanities, communications, history and the social sciences, mathematics, and the natural sciences, in addition to more intensive work in their respective majors.

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 communications, political science and computer science. Students interested in majoring in the humanities will find that Xavier has superior programs there as well.

Xavier is recognized as a national leader in the field of science education, and has been featured in such national publications as *USA Today*, *The New York Times*, *The Washington Post*, *The Chronicle of Higher Education*, *Diverse Issues in Higher Education* and *U.S. News & World Report*.

According to the U.S. Department of Education, Xavier continues to rank first nationally in the number of African American students earning undergraduate degrees in both the biological/life sciences and the physical sciences. The American Institute of Physics (AIP) reports that Xavier is first nationally in awarding physics BS degrees to African Americans.

Xavier has been especially successful in educating health professionals. In pre-medical education, Xavier is first in the nation in placing African American students into medical schools, where it has been ranked for the past 13 years. The acceptance rate of Xavier graduates by medical schools is almost twice the national average, and 92% of those who enter medical schools go on to complete their degree programs. The College of Pharmacy, one of only two pharmacy schools in Louisiana, is among the nation's top three 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 Business Division is accredited by the Association of Collegiate Business Schools and Programs, its Education program is NCATE accredited, its Music program is accredited by the National Association of Schools of Music, and its Chemistry program is approved

by the American Chemical Society. Xavier faculty in the growing creative writing program have received prestigious national awards for their work, as have faculty in art and music. Mass communications majors have developed the *Xavier Herald* into the only student newspaper from a Historically Black College that is a member of the Associated Collegiate Press Hall of Fame.

Xavier alumni – now more than 19,000 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.

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 45 percent of Xavier's students continue their education by attending graduate or professional school.

Xavier is a member of the Gulf Coast Athletic Conference, which is affiliated with the National Association of Intercollegiate Athletics (NAIA). It offers three intercollegiate sports – basketball, cross country and tennis – with equal opportunities for both men and women.

Tuition and room and board compare quite favorably with that of other private institutions. A variety of academic scholarships, student grants, and loans are available. More than 75 percent of all Xavier students receive some form of financial aid.

## **LOCATION**

Despite the devastation of Hurricane Katrina in 2005, and the continuing rebuilding challenges facing South Louisiana, it is still easy to fall in love with New Orleans. And there are few who doubt that New Orleans – whose history is older than the United States itself – will ultimately become a better city thanks to a determined, resilient people and billions of public and private dollars being invested over the next several years in its recovery. The midtown campus of Xavier University, for example, underwent extensive repairs and reopened for classes less than five months after Katrina. Xavier students returned to their dormitories in January 2006, after the university spent more than \$40 million on those immediate repairs.

One of the great cities of the world, New Orleans will continue 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.

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\* See inside front cover.

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. A full season of opera and symphony performances is also offered.

New Orleans has sports and recreational outlets too. The Louisiana Superdome is home to the N.F.L. Saints while the New Orleans Arena is the home of New Orleans' N.B.A. franchise Hornets. The city also hosts a minor league baseball team, the New Orleans Zephyrs. Audubon and City Parks and Lake Pontchartrain are counted among the city's recreational offerings. The 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.

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 the local musical and theatre groups; they involve themselves in community service projects.

Students who choose Xavier also get New Orleans – and a chance to be a part of its historic rebirth too.

## **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 the Xavier student.

The campus is a short distance from downtown with its commercial, entertainment and sports offerings. A student can see the Louisiana Superdome from his or her dormitory window. 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 new University Center, the Academic/Science Complex Addition, the Library/Resource Center, and two new residence halls give the impression of a very modern campus. Yet earlier 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. A cafeteria and recreational areas are located in the new University Center.

A renovated gymnasium is the home of the Gold Rush and Gold Nuggets basketball teams.

Because Xavier is an inner city university, special care is given to providing security for its students, faculty, and staff. The campus is well lighted, 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 the E2Campus text messaging system, the Emergency Alert Notification System (EMANS) – a mass notification device that can send a warning alarm to some 87 units that have been installed at key locations around the campus, 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.

# Student Life

The University offers many services, resources and programs that enhance student life experiences under the administrative supervision of the Division of Student Services. Directed by the Vice President for Student Services, Student Services departments and programs provide students opportunities to learn and develop through out-of-class experiences. Co-curricular programs coordinated by 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.

## **MISSION OF THE OFFICE OF STUDENT SERVICES**

The Office of Student Services offers students opportunities to grow as individuals and as students. In providing these opportunities, the expectation is that students will develop broad competencies in personal growth and development, interpersonal development, leadership and service development, environmental and cultural development, and understanding and commitment to social justice for all humankind. The twelve units within the Student Services Division collaborate to accomplish the mission.

## **CO-CURRICULAR ACTIVITIES**

### **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, tennis and cross country for men and women. The mascot for the men's teams is Gold Rush and Gold Nuggets for 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 ACTIVITIES AND STUDENT ORGANIZATIONS**

The Office of Campus Activities provides a comprehensive co-curricular program that encourages the personal development of students and enhances their educational experience through student life activities. Social, cultural and entertainment programs are designed to provide personal growth and development for students outside the classroom. This unit also coordinates and supervises the development of guidelines and procedures for University recognized student clubs and organizations; it also provides programs that enable and empower leadership and life skills through activities such as retreats, conferences and workshops.

### **CAMPUS MINISTRY**

Xavier University is a Roman Catholic institution and through the Office of Campus Ministry (OCM) offers religious programs and activities for the entire University community, regardless of religious affiliation. Opportunities are provided for students, faculty and staff to meet with the OCM staff to plan and prepare spiritual activities that will meet the current needs of the Xavier community. These activities fall into several areas which include: spirituality, fellowship, and community outreach. Campus Ministry programs strive to enhance spirituality and foster development of moral values, leadership and service. All activities of a religious nature must be in accord with the "Policy on Religious Activities." The OCM is located on the first floor of the Administration Building in Room 101A, next to the University Chapel.

## **RESIDENCE LIFE**

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 1,100 students residing on campus, resident students will never be at a loss for people to meet and things to do.

Currently, Xavier offers six facilities for students interested in campus residence. All rooms in Xavier's various residence halls 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, mini computer labs and telephone jacks that provide on-campus and local telephone service.

New students should apply for residence through the Admissions office. Returning students apply for residence through the annual re-application process each spring for the upcoming fall. All residents who re-apply and have cleared their fiscal accounts with the university receive their residence assignment at the end of the spring semester. Those students who do not immediately receive assignments are usually assigned over the summer. Transfer students are housed on a space available basis. All residents must complete a housing contract for the academic year. The University reserves the right to use residence halls between semesters and during summer breaks. Storage is not available. All inquiries regarding housing should be addressed to the Office of Housing and Residence Life.

## **CENTER FOR STUDENT LEADERSHIP AND SERVICE**

The Center for Student Leadership and Service houses the First Year Experience Program, New Student Orientation, Service-learning, XU LEADS (Leadership Education and Developmental Skills) and Volunteer Services. The Center for Student Leadership and Service is designed to promote student leadership and civic engagement by complementing the academic curriculum with practical application of classroom theory and methodology. The Center for Student Leadership and Service contributes directly to the University's Mission by implementing programs that will prepare students to assume roles of leadership and service in society. The ultimate purpose of the Center is to educate students so that they may become facilitators of social change.

**First Year Experience Program (FYE)** is a comprehensive program designed to provide a support system for entering freshmen through ongoing consultations and referrals, academic, cultural, recreational, and social programs throughout the year. First Year Experience Program Calendars are distributed at the beginning of each semester.

**New Student Orientation** serves to assist the University's "new" students – entering freshman, transfer and non-traditional students – in maximizing their potential and achieving personal and academic growth. Students are provided with a suitable referral source; a vital support system away from home; and a liaison with all areas of the University community. These efforts are facilitated by PEER DEANS, student volunteers who mentor and act as liaisons to new students on campus and assist in planning Orientation. The ultimate goal is to instill in new students the importance of taking advantage of all resources available to them and becoming well-rounded students.

**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 method by which students can learn and develop through active participation in thoughtfully organized service experiences connected with an academic course.

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. Coupling service with other teaching methods can transform a course, and deepen students' understanding of course themes and achievement of course objectives.

There are opportunities for participation in service-learning throughout disciplines and university departments. Service-learning is a joint effort between Student Services and Academic Affairs

**XU LEADS (Leadership Education and Developmental Skills)** is designed to prepare students for leadership roles and responsibilities through the use of multiple techniques such as training workshops, community service, panel/discussion forums and retreats. Distinctive programs for the emergent leader and advanced leader develop skills in team building, ethics, conflict resolution, motivation, critical thinking, and positive regard for others. XU LEADS Calendars are distributed at the beginning of each semester.

**Volunteer Services** was established in 1988 to encourage student participation in volunteer and community service activities as a central concern of a Xavier education. Serving as both a resource center and volunteer placement office, the Center coordinates the activities of individuals and student groups wishing to volunteer, providing increased opportunities for leadership development, social awareness, personal growth and career exploration. Resources and services in this unit include: Community Service Calendar of Events, Campus-Based Service Programs, Promotional Campaigns for Annual Service Events and Group Projects, Agency Clearinghouse, and Information and Resource Library, as well as consultation and workshops. Volunteer Services also supervises the student community service organization, MOBILIZATION AT XAVIER (M.A.X.), providing support and guidance for students initiating and participating in service projects on campus and in the local, national and international communities.

## RESOURCES AND SERVICES

### UNIVERSITY CENTER

The University Center is a 100,000 square-foot facility that has space to support student programs, offices, student lounges and meetings rooms. Serving as the hub of campus activity, it features offices for student organizations, conference rooms, campus mail service, a game room, campus dining services, a large study area that converts to a showcase lounge in the evenings, and much more.

### IDENTIFICATION CARDS

Identification cards are processed at registration and distributed through the Office of Auxiliary Services, Campus Card Center. Every student receives an identification (ID) card upon completion of registration (fiscal clearance). The ID card should be in a student's possession at all times and is non-transferable. For resident students, the ID card also serves as the students' meal card and must be validated by Xavier's current food service vendor.

### **Identification Card**

Each student should carry his/her ID card (the XCard). It provides identification for athletic events, social activities, student meals, etc. Students may not lend their cards to anyone else; permitting another person to use a card. Using someone else's card is considered fraud. Should the student lose his/her XCard, the loss should be reported to the Campus Card Office (UC 122-G) at once. There is a replacement charge for the card. The XCard is the property of Xavier University and must be presented on request by any University official and can be confiscated from the bearer as a result of inappropriate conduct or abuse.

The XCard is also a financial transaction card. The XCard RushBuck\$ Debit Account conveniently allows the entire university community to make purchases via a cash alternative. RushBuck\$ refers to a stored value account established only by predepositing funds. RushBuck\$ can be used for purchasing services/goods from selected copy, laundry, and vending machines. Funds in your RushBuck\$ account can also be used for purchasing merchandise from the bookstore as well as meals from Xavier Dining services.

### **Procedures for Lost, Stolen or Replacement Cards**

A lost or stolen card, or unauthorized card usage should be immediately reported to the Campus Card Office in the University Center 122G or by phone at (504)520-5780 during the business hours of 9:00 a.m. - 4:00 p.m., Monday through Friday. After hours, you may notify the Office of University Police, Student Services or residence hall staff. In the future, you will be able to suspend activity to your XCard online through our website at <http://www.xula.edu/xcard>. *Residential students will receive a temporary card issued by Xavier Dining to access meals until 2pm the next business day following the report of a lost or stolen card.*

**There is a fee for Replacement ID cards whether lost or stolen.** Illegal use or possession of the ID card is prohibited. The ID becomes void and must be returned to the University upon withdrawal, dismissal, or suspension from the University.

## **HEALTH SERVICES**

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.) Tuberculosis (Tb) skin test (less than 6 months)
- 2.) Measles, mumps, rubella (MMR) (2 doses)
- 3.) Tetanus-diphtheria (less than 10 years)
- 4.) Meningococcal meningitis vaccine (less than 3 years)

These immunizations, in addition to the health assessment form must be submitted to Student Health Services prior to registration. Forms are available in 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 the criteria listed above. The waiver process can be completed on-line through [www.kosterweb.com](http://www.kosterweb.com). This information is also available in the health assessment packet. If additional information is needed, contact Student Health Services at 504-520-7396.

Physicians and nurses are on staff to provide limited medical services. Off campus referral services are available with local and state agencies, as well as with private physicians and psychiatrists. Magazines, pamphlets and brochures concerning health issues are available at the Health Center. Discussions related to health care issues are scheduled and announced.

Students who are absent from class due to an injury or illness MUST obtain a written statement from the Student Health Services before returning to class. However, students MUST have notified Student Health ON THE DAY OF THE ILLNESS and obtain the written statement within the week of the occurrence.

### **COUNSELING SERVICES AND WELLNESS PROGRAM**

All students may obtain professional individual and group counseling through the Counseling Center. Students are assisted by the counselors in exploring feelings, attitudes, motivation, academic abilities, study habits, time management, test taking and stress coping skills, as well as many other areas of need. Career exploration through the Strong Interest Inventory is also available.

The Counseling Center Staff includes professionally trained certified counselors and licensed clinical social workers. Referral services are available when needed. Emphasis is placed on aiding the students and on maintaining a confidential counseling relationship.

Xavier's Wellness Program for students, staff and faculty is coordinated through this office. The Wellness Program encourages students to be the best that they can be in every area of their lives – physically, mentally, emotionally, socially, spiritually, intellectually, academically, and occupationally. Wellness programs include a Wellness Awareness Week, a Walking Club, a weight reduction program, a Wellness Video Series (consisting of information on HIV/AIDS, nutrition, stress management, smoking, drug abuse, conflict management, assertiveness training, and more). The Counseling Center also sponsors Wellness Peer Counselors, a student organization which helps other students, staff and faculty learn how to live a Wellness lifestyle.

### **DISABILITY SERVICES**

Academically qualified students who have disabilities are encouraged to attend Xavier University. Students requiring special assistance or consideration in order to meet program or degree requirements should advise their dean's office of the nature of their disability as soon as they have been admitted to the university.

The Counseling Center provides a variety of services for students with a disability (temporary or permanent physical disability). Some of the services available include registration assistance, orientation assistance, accessibility assistance and coordination of accommodations, such as, extended time for testing and distraction-reduced environment.

Students with disabilities are encouraged to contact the Office of Disability Services immediately to make the necessary arrangements. Write to: **Xavier University Counseling Center; Attn: Disability Services; One Drexel Drive, Box 97; New Orleans, LA 70125; (504) 520-7315.**

### **CAREER SERVICES**

The goal of the Career Services Office is to help all students become well-informed and well-prepared to make rewarding career choices. Students may receive assistance in exploring career options through materials and information, job search preparation, and pre-professional experiences which enhance the student's ability to secure satisfying career employment. Students are assisted through career counseling, various career related programs and on-campus interviews.

Career Services staff will work with each student to help identify and successfully develop a career path that is in alignment with skills, values and interests. Through individual advising, career development programs, internships/Co-op opportunities, and on-line career exploration resources, the Career Services staff helps students learn more about themselves and the career development process.

### **INTERNATIONAL STUDENT SERVICES**

The Center for International and Intercultural Programs provides assistance to enrolled students who are citizens of other countries. This includes academic and personal counseling, as well as information on visitor status. An advisor works with international students to coordinate and plan activities that include cultural exchange and participation in many interesting programs throughout the year.

## **CAMPUS SAFETY AND CONDUCT STANDARDS**

### **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. The Office of University Police is a sponsor of a nationally accredited crime prevention program, "Rape Aggression Defense for Women," and has two certified instructors on staff.

### **GENERAL STANDARDS AND REGULATIONS**

One of the goals of education is the development of the truly disciplined individual. Self-discipline is the aim of the University in its policies on student conduct. Xavier University assumes that it is a community of mature people. Xavier expects responsible and mature conduct that reflects credit upon the students and the University; Xavier requires behavior that is consistent with laws of decency and with the generally accepted morals and manners of our society.

All students are accorded freedom of inquiry and freedom of expression. They must assume, however, the responsibility for their actions and the obligations of membership in a community of individuals.

The University aims to do all it can through its various Deans, staff and faculty members to assist the student in his or her development and to encourage the best college work and conduct.

Each student is required to make himself or herself aware of policies associated with life at the University. While on or off campus, students are expected to abide by all laws (Federal, State and Municipal). Any violations of these laws or of regulations associated with university life may result in a review of the student's university status, resulting in a possible termination of that status.

In order for Xavier to maintain and achieve its educational purposes for the entire academic community, the responsibility to maintain the balance between the individual student or group rights and the general welfare is ultimately the University's. Hence, the University, in cooperation with faculty and students, will be the final judge of the excesses, the inappropriateness, or the undesirability of student conduct on campus. Concurrently, the obligation to establish and to promulgate the reasonable norms of good conduct in the **Student Handbook** and by other campus memoranda is also reserved to the University. All judicial committees which serve the University will be guided in their determinations and recommendations by these norms.

## **STUDENT DISCIPLINE**

Xavier University views its role in the administration of institutional policy as one of both ensuring fairness and consistency and providing an educational opportunity for the student. This approach protects the campus community by providing a system of educational sanctions for those violating university policies and also encourages growth and development of students through supporting the practice of responsible behavior in a community. The educational approach implies a need for understanding and self discipline on the part of the student as well as a respect for the rights and privileges of others. The focus of the judicial system is corrective and preventive rather than punitive.

The University reserves the right to request the withdrawal of any student whose personal conduct indicates an inability to achieve minimum standards of progress for personal development in the University community. All decisions in these situations will be made with regard for reasonable due process in each case. The Vice President for Student Services, or his designee, will have administrative oversight of student judicial affairs.

In cases of suspension or expulsion, the student is granted tuition and other types of refunds based upon the university's published policy on refunds.

### **Cheating**

Students may not receive or give assistance during examinations, plagiarize essays, term papers, etc., or obtain without authorization, an examination or parts of an examination before taking the examination. Such behavior may result in disciplinary sanctions that lead to failure of the course, suspension, dismissal or expulsion from the University.

### **Demonstrations**

The right of peaceful protest within the Xavier community is an important aspect of the freedom to dissent. It is not, however, without certain limitations, and its protection is guaranteed only when it is exercised within responsible guidelines.

By the same standard the University is obligated to prohibit any activity or conduct promoted, staged or encouraged by a student, group of students or others when such activity jeopardizes the safety of individuals, the security of property, or disrupts, minimizes, interferes with or curtails the University, its staff members or its guests in the pursuit of its educational goals, principles or processes. The University activities would include authorized University functions, public or private meetings, normal administrative functions or service-related activities (recreation, health services or placement).

Disruptive activity, or the encouragement of such activity, exceeds the permissible limits of the freedom to protest, and all individuals involved therein or promoting same will be held responsible for such conduct as a violation of the above University right.

The University reserves the right to enjoin such violations by immediate action of any authorized administrative official.

### **Sanctions**

The sanctions for violations will depend upon the gravity of the circumstances, and the range of disciplinary actions may extend as high as dismissal from the University.

#### **Censure**

A censure is an official written notification to the student that his/her behavior is unacceptable and inappropriate for a student at Xavier. Any further misconduct will result in the evaluation of his/her status as a student at Xavier University.

#### **Disciplinary Probation**

Disciplinary probation indicates to a student that his/her behavior has not met certain standards expected of students at Xavier. The student is excluded from participation in privileges or extracurricular university activities as set forth during his/her disciplinary probation. He/she is prohibited from election to a university office and must relinquish any office currently held. Involvement in further misconduct subjects the student to suspension or dismissal from the University.

#### **Suspension**

Suspension prohibits a student from attending classes or any activities on campus for a definite period of time. Students who have been suspended for disciplinary reasons must petition for re-enrollment after their suspension through the Office of the Vice President for Student Services.

#### **Interim or Emergency Suspension**

This suspension shall be invoked when officials are faced with an immediate situation where the facts indicate that a student's continued presence on campus constitutes a clear and convincing danger to the normal functions of the University, to property, to others, or to the student him/herself. In such situations, the University shall suspend the student(s) immediately on an emergency basis.

The suspended student shall have the right to appeal this decision immediately to the Vice President for Student Services until normal student judicial procedures are implemented.

#### **Dismissal**

This disciplinary action terminates a student's status for an indefinite period.

#### **Expulsion**

Expulsion is a permanent release from the University without the privilege of readmission. The University further reserves the right to notify civil authorities whenever the student is guilty of, or charged with, violating civil law.

The administrative officer or judicial board may impose other sanctions deemed appropriate.

### **Sanctions and Notification of Parents**

NOTE: When a student is placed on disciplinary probation, emergency suspension, disciplinary suspension, expulsion or loss of housing privileges, the student's parents or legal guardian(s) will be notified concerning the disciplinary action unless the student can prove independent status. The notification will specify when the violations involve the alcohol or drug policy. Students who do not complete sanctions by the assigned due date will not be returned to "good standing" status until the sanctions are completed.

Similar sanctions are assigned for academic infractions through the offices of the academic deans.

# Admission

## ADMISSION REQUIREMENTS AND PROCEDURE

Admission decisions are made without regard to religion, gender, race, creed, color, national origin or handicap. These decisions are made by the Committee on Admissions. The University attempts to enroll a diverse class of students each semester.

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

	FALL	SPRING
FRESHMEN	March 1	December 1
TRANSFERS	June 1	December 1
PHARMACY*	December 15	NONE
GRADUATE PROGRAMS**	July 1	December 1

\* College of Pharmacy acceptances are made for fall term only.

\*\* See Graduate Programs sections for information about admission deadlines for the summer.

Applications for admission received after the deadline will be considered provided there are slots available in the in-coming class. The on-line application is the preferred method to apply to Xavier. Go to the University website at <http://www.xula.edu> for more information.

## FRESHMAN APPLICANTS

The following are needed for freshman applicants:

1. **An application for admission.** A fee of \$25 (non-refundable) should accompany the application.

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.

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 Committee on 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 may be admitted by presenting a high school equivalency certificate in lieu of a complete high school transcript. These certificates may be obtained through a student's State Department of Education.

**3. Scores from the Scholastic Assessment Test (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.**

### **TRANSFER APPLICANTS**

A student transferring from an accredited institution 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 20 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.

A degree will be conferred by the University only after the applicant has fulfilled the requirement of at least 25% of course credit in residence, eighteen hours of which must be in the major with a grade of "C" (2.00/4.00) or better in each course.

### **GRADUATE SCHOOL APPLICANTS**

Graduate School applicants should see the Graduate School 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. Visiting students must obtain approval from their home institution for transfer credit from Xavier. Approval is dependent on verification that the student is in good academic standing.

**Special Non-Degree Seeking Students** are 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 his/her acceptance for admission, an applicant will be required to submit a deposit** which will indicate intent to attend the University. This deposit is deductible from tuition, fees, books, etc. and is in addition to any room deposit required of boarding students.

**Health Clearance is required.** After notification of acceptance, students will be sent medical forms by the University Health Service. The forms must be completed as per instructions by the appropriate deadline. The immunization form (Form #60) requires date, test results and the signature of a physician or nurse.

**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 STUDENTS**

In order to be considered for admission to the University, applicants should submit the following items prior to the 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 the above-listed conditions have been satisfied. Students have found it beneficial in expediting passport procedures to have these requirements satisfied from **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.

Only citizens of the United States are eligible to receive Federal financial assistance. Therefore, foreign student aid is not available through Xavier University. However, in exceptional circumstances a foreign student can apply for an off-campus employment permit through the Center for Intercultural and International Programs, which acts as a liaison between Xavier University and the U.S. Citizenship and Immigration Services. It is the responsibility of the individual student to abide by all Immigration and Naturalization Service regulations.

### **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.

1. 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
  - d) Withdrawal
2. 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.
3. 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.
4. A veteran student suspended from this institution will not be certified to the V.A. until counseled by the V.A. professional counselor.
5. 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).

### **SUMMER SESSION**

Admission to the summer session 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. Transient students 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 (twenty students in non-degree courses).
2. Undergraduate students are classified as full-time students in a summer session if they enroll for six semester hours.

3. Students who wish to enroll for more than 7 semester hours in a five-week session must obtain written permission from their chairperson.
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. An official withdrawal from class must be approved in writing by the student's advisor, as well as the instructor of the class, prior to the beginning of the third week.
6. The grade of I (Incomplete) is usually not given in any undergraduate course offered during the summer session.

## **REGISTRATION**

The days assigned for both August and January registration are to be found on the University Calendar. Registration is not complete until the fees for the semester have been settled to the satisfaction of the Fiscal Department. Until such settlement has been made, the student is not entitled to attendance in any class or to any individual instruction.

**Students are held 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 departmental chairpersons, **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 departmental chairperson or advisor on or before the date 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".

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 may subject the student to censure for falsification of records.

## **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, and reading are the main tools in this placement. Results of these tests are used to place students into regular, honors, or developmental freshman 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 courses 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 take developmental courses in those areas.

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

## **CREDIT BY EXAMINATION**

### **ADVANCED PLACEMENT (AP) AND INTERNATIONAL BACCALAURATE (IB) CREDIT**

Students with AP scores of 3 or higher can generally get 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 AP or IB scores sent to the Admissions Office.

In addition, Xavier's Department of Mathematics provides the Advanced Mathematics Placement Test. An appropriate math score on the ACT or SAT allows a student to by-pass Precalculus (MATH 1030) and enter Calculus (MATH 1070). Upon receiving a grade of "C" or better in MATH 1070 taken at Xavier University of LA, the student will receive 4 semester hours of credit for MATH 1030.

Students may by-pass ENGL 1010 by obtaining a superior score on the ACT English sub-test. For information regarding by-pass credit in Languages refer to the Department of Languages section.

### **COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

Credit may also be awarded in certain subject matter 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, contact the Office of the Dean of the College of Arts and Sciences.

A maximum of thirty semester hours of credit by examination will be accepted toward the degree.

# Tuition, Fees & Expenses

## PAYMENT

Students should be prepared to pay tuition, fees and other charges at the time of registration. A deferred payment plan is available, however, for those students who wish to pay in installments.

The 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 30<sup>th</sup> and the remaining balance plus any additional charges is due on or before October 30<sup>th</sup>.

**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 28<sup>th</sup> and the remaining balance plus any additional charges is due on or before March 30<sup>th</sup>.

NOTE: Work-study awards are not used as a credit to determine minimum payment when registering.

The University accepts cash, personal, cashier's and official bank checks, money orders, Debit Cards, Visa, Master Card, American Express and Discover by mail and walk-in. Be advised that personal checks are electronically deducted from the checking account within 24 hours via Telecheck. Effective August 2008, secure online payments will be accepted via the internet at <http://www.xula.edu> under Online Resources (Banner Web).

A finance charge of 1.5% (annual percentage rate of 18%) 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 of \$100 will be charged to the student's account for any remaining payments after registration that were not made in accordance with the monthly payment plan.

NOTE: 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 the 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.

## \*TUITION AND FEES

<b>Tuition</b>	<b>Per Semester</b>
<b><i>College of Arts and Science</i></b>	
Full Time (12-18 hrs.)	\$7,250
Part Time (less than 12 hrs.) per hr	650
Overload (over 18 hours) per hr	450
<b><i>College of Pharmacy (Pharm. D.) – A. &amp; S. rate 1st two years</i></b>	
Full Time (12-18 hrs.)	\$9,800
Part Time (less than 12 hrs.) per hr	850
Overload (over 18 hours) per hr	650
Preceptors per hr	425
P4 Clerkship Fee	550
<b><i>Graduate School</i></b>	
Per semester hour**	220
<b>Other Fees</b>	
Identification Card (per semester)	\$10
Student Health Insurance (annual rate-subject to change)	350
Application fee (payable once)	25
Yearbook (annual)	25
Freshman Orientation Fee (one semester only)	150
Student Government Association Dues (per semester) FT/PT	40/20
Applied Music fee	
1 Semester Hour	75
2 Semester Hours	150
3 Semester Hours or more	225
Student teaching	200
Graduation fee	100
In absentia	125
Lab Fees (per course):	
Arts and Sciences	50
Pharmacy	50
Mass Communications	10
Pharmacy Module Fee (All Pharmacy students)	25
Late Registration (payable in cash at registration)	100
Information Technology Fee (per semester)	
Full Time	200
Part Time	100
Course Change (per form)	10
Transcript-First one free	
Subsequent	2
In quantity	
First one	2
Others	1

\*Tuition and Fees are for the 2008-2009 academic year and are subject to change in future years.

\*\* See Institute for Black Catholic Studies web site for fees specific to the Institute.

Missed Installment	100
Interest	
1.5% per month on the unpaid balance as of the invoice date	
Returned N. S. F. checks	30
Campus accommodations	
Room Reservation* (new freshmen and transfer students)	100
Housing Deposit (all upperclassmen)	200
Summer Room Reservation Fee (Non-refundable)	50
<i>*non-refundable</i>	
<b>Room plus Board (per semester)</b>	
<i>St. Michael's /St. Katharine Drexel /St. Joseph's -(Dbl/Reg)</i>	3,400
<i>Private Room-St. Michael/St. Katharine Drexel/St. Joseph</i>	4,300
<i>St. Michael – Single Room</i>	3,700
<i>House of Studies – Single Room</i>	3,700
<i>Living/Learning Center</i>	3,650-4,750
<i>St. Martin de Porres</i>	3,750-4,650
<i>Meal Plan Only (rate subject to change)</i>	1,350

## 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.

<u>If Student Withdraws:</u>	<u>X.U. Policy</u>
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 <i>plus</i> \$250 late cancellation penalty fee assessed if enrolled
Upon Check-In to the Residence Hall	100% deposit and room cost forfeiture <i>plus</i> 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 financial aid.

### **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)**, the **Academic Competitive Grant (ACG)**, the **National Science and Mathematics Access to Retain Talent Grant (SMART)**, and the **Teach Grant**. Loans include: the **Federal Perkins Loans**, **Federal Direct Student Loans**, and **Federal Direct Unsubsidized Loans**, **Federal Subsidized Student Loans**, **Federal Unsubsidized Loans**, the **Federal Parent Loans (PLUS)**, and the **Federal Direct PLUS Loans**. The **Federal College Work-Study Program** provides work aid. The State of Louisiana offers **Leveraging Education Assistance Partnerships (LEAP)**, formerly the **SSIG**, and the **Louisiana Go Grant**.

### **How to Apply for Financial Aid**

All students must apply for financial aid using the Free Application for Federal Student Aid Form to determine their eligibility for aid (including all loans). Financial aid applications may be obtained from your high school counselor's office or the Office of Financial Aid at Xavier. Forms must be completed by the student and his/her parents and they must be mailed to the need analysis service or file an application on the web at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).

### **When to Apply**

All students must file for financial aid as soon as possible after January 1 of each year. **Follow all instructions carefully when completing the forms.** The student will receive a Student Aid Report (SAR) as a result of filing.

The Office of Financial Aid at Xavier University will work with the student to help him/her identify ways to finance his/her college education, but may have limited options because of federal regulations or a shortage of funds.

### **How Eligibility for Financial Aid is Determined**

The eligibility for financial aid is determined by the Federal Government Central Processing Center using the information provided by the parents and students on the Financial Aid Application. Once a student files the Federal Financial Application using Xavier University's school code (**002032**), the Financial Aid Office will receive the student's records electronically. The counselor then evaluates the records and if valid, an Award offer will be e-mailed to the students. The electronic award offer will list all financial aid that the student was determined eligible to receive. If the records are invalid 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 a “first come, first served” basis and on the availability of funds. In addition, students must meet the Standards for Satisfactory Academic Progress.

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

### **Satisfactory Academic Progress Policy for Financial Aid Eligibility**

**Federal regulations require all students receiving Federal Title IV financial aid funds to maintain standards of satisfactory academic progress in the pursuit of their degree. Satisfactory Academic Progress (SAP) is defined as a set of standards of academic success, which includes *qualitative* (g.p.a.) and *quantitative* (number of hours completed) measures that a student must maintain to retain eligibility for federal financial aid. The maximum time frame for completing an undergraduate degree cannot exceed 150% of the published length of the student’s program of study measured in credit hours attempted (128 hours X 1.5 = 192 hours, or higher for programs in excess of 128). SAP is monitored annually — at the conclusion of the spring semester for the preceding summer/fall/spring academic year.**

First-year students who fail to meet SAP standards will be placed on financial aid probation and continue to receive financial aid for two semesters. During the probationary year (the second year in college) the student must pass 24 hours of coursework and earn a semester g.p.a. of 2.0. Probationary students may also attend summer school to meet satisfactory progress requirements. Students who fail to meet the above standards will have their financial aid eligibility suspended.

**NOTE: Federal regulations require that remedial courses be taken in the first two years of matriculation.**

#### **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:

<u>Attempted Hours</u>	<u>Hours Passed</u>
0 – 25 credit hours	50% of attempted hours
26 – 50 credit hours	50% of attempted hours
51 – 75 credit hours	55% of attempted hours
76 – 100 credit hours	60% of attempted hours
101 – 125 credit hours	65% of attempted hours
125 and above credit hours	70% of attempted hours

Students are expected to achieve a 2.0 or better cumulative GPA and to complete 50% of the enrolled semester credit hours at the end of the first two years of matriculation. Hours attempted and hours completed in summer school will be included in calculation of eligibility.

Students who fail to make satisfactory progress at the end of the first four semesters will be ineligible for federal financial aid until the deficiency is corrected.

Pharmacy students in P1 and P2 years follow the above guidelines for undergraduate students. P3 and P4 Pharmacy students are considered graduate students and must complete 75% of courses attempted and maintain a 2.0 g.p.a.

Transfer students will be evaluated on the enrolled attempted hours, enrollment status and cumulative grade point average at Xavier plus the transfer hours, which will be added to the attempted and completed hours.

## Appeals Process

Students whose financial aid eligibility has been suspended due to failure to meet the above criteria may appeal their ineligibility if there are 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. The appeal must be filed in writing within **six weeks** of notification of ineligibility. **Students who appeal must use the Satisfactory Academic Progress (SAP) Appeal Form found on the Financial Aid website.** All appeals must include supporting documentation (grade or major change form/s, doctor's statement, death certificate, etc.) and an academic plan to regain eligibility. The appeal may *not* be based on the student's *need* for the funds nor the *lack of knowledge* that eligibility for financial aid was in jeopardy. **The Appeals Committee** will review the appeal within two weeks of the deadline for filing all appeals provided all necessary documentation has been submitted; the students will be notified of the committee's decision by mail. *The Committee will not review Appeal Forms that are incomplete and/or lacking the required verification.* **The completed SAP Appeal Form should be sent to: Director, Academic Support Programs, 1 Drexel Drive, New Orleans, La 70125.**

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.

For additional information, students should refer to the web or the Financial Aid Publication on Satisfactory Academic Progress.

## Types of Financial Aid Available

### Scholarships

1. **Academic Scholarships** -- All freshmen are automatically considered for *Xavier University Scholarships* at the time of their application for admission. A number of factors determine the decision, primarily high school grade point average (computed on academic subjects only) and standardized test scores, as well as extracurricular involvement and a counselor's recommendation.

NOTE: These awards are made for eight (8) consecutive semesters provided the student maintains an average of: 3.0 at the end of two semesters, 3.3 at the end of four semesters, and 3.5 at the end of six semesters.

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.

Scholarships are coordinated through the Office of the Vice President for Academic Affairs. Enrolled students should contact this office for information regarding various scholarship opportunities and consult the Scholarship Opportunities Bulletin Board and web site once they arrive on campus.

2. **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 the LOSFA (Louisiana Office of Student Financial Assistance) to all bonafide residents of Louisiana who meet the criteria. As a first-time freshman, eligibility is 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.

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

- If you receive the *TOPS Opportunity Award*, you 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. You must successfully complete no less than 24 credit hours during an academic year. (Summer and Intersession courses are not counted towards the 24 hour rule.)
  - If you receive the *TOPS Performance* or the *TOPS Honors Award*, you must earn at least a 3.0 cumulative GPA. You must successfully complete no less than 24 credit hours during an academic year. (Summer and Intersession courses are not counted towards the 24 hour rule.)
3. **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.
  4. **Achievement Scholarships.** Continuing students who have not received Academic and/or Rousseve Scholarships are eligible to apply for Achievement Scholarships as they become available. A limited amount of scholarship funds are available for students who demonstrate significant academic achievement, and verifiable financial need. These scholarships may be renewed, and the award amounts vary from year to year.

Included in this category are:

- The Michael Jordan Achievement Scholarship
  - The Teagle Scholarship
  - The W. Randolph Hearst Scholarship
  - The William and Camille Cosby Scholarship
5. **Corporate/Private Funded Scholarships.** There are several scholarship opportunities that are funded by corporations, foundations, civic and social organizations, etc. The donors and sponsors establish the criteria for which funds will be awarded. Most of these scholarships are highly competitive, and students are often required to participate in an extensive application process. Other opportunities are based on nomination of students by faculty, staff, and administrators. These scholarships are usually merit based or some combination of merit and need.

Scholarships in this category include but are not limited to the following:

- Harcourt Scholarship
- Luard Scholarship
- GNOF Ratepayers Scholarship
- Beinecke Memorial Scholarship
- Lettie Pate Whitehead Scholarship

6. **Talent Scholarships (Full or Partial Tuition)** are awarded on the basis of:
- a) Art talent or
  - b) Athletic talent in men's or women's basketball or
  - c) Music talent.

NOTE: These awards are renewable annually for three additional years provided the student maintains a satisfactory academic record and continues to demonstrate progress in the development of his/her talent.

7. **Scholarships for Disadvantaged Students.** A federally-funded scholarship program for Pharmacy Students from Disadvantaged family background. Students must apply for aid that includes Parental Income, regardless of dependency status or age. This scholarship is awarded through the Financial Aid Office.
8. **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.
9. A variety of **ROTC (Air Force, Army, and Navy) 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.)**

1. Federal **Pell Grants.** A federally-funded program for undergraduate students; eligibility ranges from \$200 to \$4,371 per academic year.
2. Federal **Supplemental Educational Opportunity Grants (FSEOG).** A federally-funded program for undergraduate students; eligibility ranges from \$200 to \$4,000 per academic year.
3. **Leveraging Education Assistance Partnership (LEAP).** Available to qualified residents of the State of Louisiana who have financial need.
4. **Louisiana Go Grant.** Available to Louisiana residents, who are first-time freshman and are eligible for a Pell Grant.
5. **Academic Competitiveness Grant (ACG).** Provide up to \$750 for the first year of undergraduate study and up to \$1,300 for the second year of undergraduate study to full-time students who are U.S. citizens, eligible for a Federal Pell Grant, and who had successfully completed a rigorous high school program, as determined by the state or local education agency and recognized by the Secretary of Education.

6. **National Science and Mathematics Access to Retain Talent Grant, also known as the National SMART Grant.** Available during the third and fourth years of undergraduate study to full-time students who are eligible for a Federal Pell Grant and who are majoring in physical, life, or computer sciences, mathematics, technology, or engineering or in a foreign language determined critical to national security.
7. **TEACH Grant.** Provides up to \$4,000 a year in assistance to students who plan on becoming a teacher and meet certain specified requirements.

**Loans (These must be repaid.)**

1. **Federal Perkins Loan.** This loan is available to students who have demonstrated financial need and who are enrolled for a minimum of six (6) semester hours (half-time enrollment). Eligible students may borrow from \$200 to \$4,000 towards their education. Repayment of this low interest (5%) loan begins nine (9) months after graduation or termination of studies at Xavier.
2. **Federal Direct Loans (i.e., Federal Direct Subsidized, Federal Direct Unsubsidized, Federal Direct PLUS).** The Federal Direct Loan Program enables students to borrow directly from the federal government through Xavier to finance their education. The motto is "One-Stop Shopping for your Loans." A student must be enrolled at least half-time (6 semester hours) to qualify and must have an unmet need. The loan limits for the Federal Direct Loans are the same as the limits for the Federal Stafford Loans.

First-year undergraduate students may borrow a maximum of \$3,500 per academic year. Second-year undergraduate students may borrow a maximum of \$4,500 per academic year; and undergraduates who have completed two (2) years of their program of study may borrow a maximum of \$5,500 per academic year. Graduate/Professional students may borrow a maximum of \$8,500 per academic year. Loan repayment begins six (6) months after the student graduates, withdraws from the University, or drops below half-time enrollment.

3. **Federal Subsidized Stafford Loans.** The Subsidized Stafford Loan Program enables students to borrow directly from lenders (i.e., banks, credit unions, etc.) to finance their educational expenses. A student must be enrolled at least half-time (6 semester hours) and must have an unmet need to qualify.

First-year undergraduate students may borrow a maximum of \$3,500 per academic year. Second-year undergraduate students may borrow a maximum of \$4,500 per academic year; and undergraduates who have completed two (2) years of their program of study may borrow a maximum of \$5,500 per academic year. Graduate/Professional students may borrow a maximum of \$8,500 per academic year. Loan repayment begins six (6) months after the student graduates, withdraws from the University, or drops below half-time enrollment.

4. **Federal Unsubsidized Stafford Loans.** The Federal Unsubsidized Stafford Loan Program is offered to students who do not qualify for the Federal Subsidized Stafford Loan Program or who only qualify for a portion of a Federal Subsidized Stafford Loan. Also, eligible students must be enrolled at least half-time. Interest payments may be paid monthly while enrolled or may be capitalized on the principal balance. The combined loan totals of the Subsidized and Unsubsidized Stafford Loans cannot exceed the annual loan limits of the federal loan program. (See above for maximum amounts to be borrowed under Federal Subsidized Stafford Loans.) In some cases, students may qualify for additional amounts of an Unsubsidized Stafford Loan (called Non-Need-Based Federal Unsubsidized Stafford Loan) to supplement the Federal Subsidized Stafford Loan. The interest rate on the unsubsidized loans is variable.

First and second year independent undergraduate students and dependent students whose parents cannot borrow a PLUS loan may borrow \$6,000 for each year.

Junior and Senior year independent undergraduate students and dependent students whose parents cannot borrow a PLUS loan may borrow \$7,000 for each year.

Graduate and Professional students may borrow up to \$20,000 per year.

5. **Federal Parent Loan for Undergraduate Students (PLUS).** The PLUS loan enables the parents to borrow on behalf of a dependent undergraduate student to defray his/her educational expenses. The interest rate is variable and repayment of the principal and interest begins sixty (60) days after loan proceeds are disbursed.
6. **Health Professions Loan Program (HPLP).** A Federal Loan program for Pharmacy students only, who qualify (need based) with a low interest rate of 5%. Must be enrolled full time. For more information on this loan programs, contact Xavier's Office of Financial Aid.
7. **Loan for Disadvantaged Students.** A Federal Loan program for Pharmacy students from a disadvantaged background. Students must file for aid that includes Parental Income, regardless of dependency status or age.
8. **Federal Plus Loan for Graduate and Professional Students.** A Federal Plus Loan designed for graduate and professional students. This loan can cover up to 100% of your total cost of education minus other Financial Aid.

#### **Jobs**

**Federal College Work-Study Program (FWS)** – This is a federally-funded program that provides jobs for undergraduate students. These jobs give the students the chance to earn money to help pay for their educational expenses. FWS awards are based on need and the availability of funds.

# Academic Information

## CREDITS, GRADES AND QUALITY POINTS

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

A semester hour is the unit for computing the amount of work required for graduation. This is equivalent to one hour of lecture per week for one semester. Two to three hours of laboratory work are equivalent to one hour of lecture.

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	(Failure because of excessive absence*)	0
W\$	(Administrative withdrawal for financial reasons)	0

\* In all 1000 level courses and all developmental courses, absence is considered excessive when a student misses twice the number of times the class meets per week. The total number of absences includes days missed because of late registration or late enrollment in the course. 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 "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.

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.

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 semester following the one in which the grade was given.

A 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/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".

A cumulative average of 2.0, computed as defined above, is required for good academic standing and for the granting of a degree. Students academically dismissed are not in good academic standing. Usually only the highest grade in courses offered for the degree will be considered. In order for a student to repeat a course more than once, there must be written permission of the student's departmental advisor or chair and the chair 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.

### **TRANSFER OF CREDITS FOR CURRENT STUDENTS**

Current students (including those in exchange programs and those who have attended the spring semester and then wish to attend summer school at another institution) must follow the procedures below in order to transfer credits from another institution. 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 with junior or senior standing 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.

The procedure that current students must follow in order to transfer credit from another institution is:

1. 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.

2. Approval is required for **specific courses**. The student must have the form signed by his/her advisor and the chairperson of the department of the major in which he/she is enrolled, as well as the chairperson 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. 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 chair to obtain permission for a change. The change must be documented by email exchange.

3. 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" does not transfer.

## GRADE REPORTS

Grades are reported to students twice each semester. The mid-semester grade is based either on a mid-semester examination or a previous test or tests, at the discretion of the instructor. This grade is for the information of the student and his/her advisor. 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 email address.

## 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.

## 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 or her major department assigned by the department chairperson. Deciding majors are advised through Academic Support Programs; pre-pharmacy majors are advised by the Chemistry Pre-pharmacy advisors. The academic advisor aids the student in planning his or her schedule. In addition, the signature of the advisor is required to drop a course after the drop/add period indicated on the Academic Calendar.

## CHANGE OF MAJOR/MINOR

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

1. Report to the Registrar's Office to obtain a request for change of department form.
2. Consult the chairperson of the prospective department to ascertain whether the chairperson is in favor of the change.
3. Obtain written approval from the current departmental chairperson.
4. Return to the chairperson of the prospective department 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 that are in effect at the time of transfer.

## **THE OFFICE OF ACADEMIC ENHANCEMENT (OAE)**

The mission of the OAE is to improve retention and graduation rates of Xavier students, particularly by addressing new freshmen students and students who are academically at risk. This is done through academic support and the first year experiences. The OAE is responsible for three areas – The Freshman Year Experience (Freshman Studies), Academic Support, and Deciding majors. The OAE functions to 1) design and implement academic programs pertaining to the Freshman Year Experience to improve retention and graduation rates, 2) provide academic advising to Deciding majors, 3) monitor the academic progress of probationary students, 4) provide Academic Support through the coordination, enhancement, and support of peer tutoring and the academic labs (reading, writing, and mathematics), and 5) engage a system of monitoring and mentoring the academic progress of new freshmen students.

### **Freshman Studies**

Xavier University of Louisiana has implemented an integrated and comprehensive program designed to allow new students to make the transition from high school to college and provide these students with the tools needed for college success. Developed by the Office of Academic Enhancement, the goals of the Freshman Year Experience are to empower freshmen with the skills and support needed for college success (and Xavier success), enhance their professional development, and understand their role and mission as Xavier students. Xavier students, then, should be exposed to:

- The Mission of XU and the Vision of St. Katharine Drexel
- University Policies and Procedures, and Respective Offices
- Skills for Academic Success
- Academic Support Programs and Other Resources
- Means to Achieve Physical, Mental, and Spiritual Well-Being
- Skills and Behaviors for Professional Success
- Fiscal Responsibility
- Campus Organizations and Extracurricular Activities
- Academic Support Programs and Other Resources
- Use of Technology
- What is Expected of a Xavierite

The Freshman Year Experience includes the New Student Orientation, the Freshman Seminar courses, student monitoring and mentoring, and a summer book reading and a common theme that can be used in first-year courses.

### **Academic Support Programs**

The mission of Academic Support includes providing a nurturing/mentoring environment that will foster a sense of hope and pride in all students, particularly low-achieving students. We endeavor to stimulate intellectual growth by fostering the development of skills and habits that will lead to academic excellence. The goals of the program include:

- Excellence through Transition - personal contact; customized help sessions to identify needs and provide resources for individuals; and supplying referrals to other points of service,
- Excellence through Self-Knowledge - academic counseling, and assistance identifying life goals,
- Excellence Through Resources - referrals to Career Services and the Counseling Center; free academic tutoring including a Mathematics Lab, a Reading Lab, and a Writing Lab; and referrals to Study Skills Workshops
- Excellence Regained - contacts with students who have disappointing grades, and personalized assistance for students referred to Academic Support Programs.

## **Deciding Majors**

The OAE has developed a system of academic advising and mentoring for deciding majors that includes academic advising by faculty for courses, career assessment and planning, and academic monitoring. Students are provided individual counseling in choosing a major and receive exposure to the career options that such majors offer.

## **ACADEMIC DISMISSAL**

Any student whose semester or cumulative grade point average is below 2.0 is liable for academic dismissal at the end of a term. Email notices and letters are sent to students who are dismissed. **It is the student's responsibility to verify his/her 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.

A student who is academically dismissed after the fall semester is unable to file an appeal because the time between semesters is too short. A student dismissed after the spring semester has the right to a written appeal of this decision. This appeal must be received in the Office of the Registrar by July 1. The University Academic Standing Committee, chaired by the Senior Vice President for Academic Affairs, will review the appeal and render a decision.

## **ACADEMIC PROBATION**

A student whose cumulative average is less than 2.0 and who has not been dismissed 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 13 semester hours. Students on strict probation must achieve a 2.0 average for the coursework taken during the probationary semester; maintain contact with a counselor in Xavier's Counseling Center and his/her academic advisor. The student must also document participation in academic support programs through the Office of Academic Enhancement. If these conditions are not met, the student is liable for dismissal.

A student whose cumulative average is 2.0 or greater but who has less than 2.0 for the semester is placed on probation. Notification of this status is sent by email and is reflected on Banner web. The student is limited to 15 semester hours and required to maintain contact with a counselor in Xavier's Counseling Center, his/her academic advisor, and to participate in academic support programs through the Office of Academic Enhancement.

In order to be removed from strict or regular 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.

## **Satisfactory Academic Progress Policy for Financial Aid Eligibility**

**Federal regulations require all students receiving Federal Title IV financial aid funds to maintain standards of satisfactory academic progress in the pursuit of their degree. Satisfactory Academic Progress (SAP) is defined as a set of standards of academic success, which includes *qualitative* (GPA) and *quantitative* (number of hours completed) measures that a student must maintain to retain eligibility for federal financial aid. The maximum time frame for completing an undergraduate degree cannot exceed 150% of the published length of the student's program of study measured in credit hours attempted (128 hours X 1.5 = 192 hours, or higher for programs in excess of 128). SAP is monitored annually — at the conclusion of the spring semester for the preceding summer/fall/spring academic year.**

First-year students who fail to meet SAP standards will be placed on financial-aid probation and continue to receive financial aid for two semesters. During the probationary year (the second year in college) the student must pass 24 hours of coursework and earn a semester GPA of 2.0. Probationary students may also attend summer school to meet satisfactory progress requirements. Students who fail to meet the above standards will have their financial aid eligibility suspended.

**NOTE: Federal regulations require that remedial courses be taken in the first two years of matriculation.**

**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:

<u>Attempted Hours</u>	<u>Hours Passed</u>
0 – 25 credit hours	50% of attempted hours
26 – 50 credit hours	50% of attempted hours
51 – 75 credit hours	55% of attempted hours
76 – 100 credit hours	60% of attempted hours
101 – 125 credit hours	65% of attempted hours
125 and above credit hours	70% of attempted hours

Students are expected to achieve a 2.0 or better cumulative GPA and to complete 50% of the enrolled semester credit hours at the end of the first two years of matriculation. Hours attempted and hours completed in summer school will be included in calculation of eligibility.

Students who fail to make satisfactory progress at the end of the first four semesters will be ineligible for federal financial aid until the deficiency is corrected.

Pharmacy students in P1 and P2 years follow the above guidelines for undergraduate students. P3 and P4 Pharmacy students are considered graduate students and must complete 75% of courses attempted and maintain a 2.0 GPA.

Transfer students will be evaluated on the enrolled attempted hours, enrollment status and cumulative grade point average at Xavier plus the transfer hours, which will be added to the attempted and completed hours.

## **SAP Appeals Process**

Students whose financial aid eligibility has been suspended due to failure to meet the above criteria may appeal their ineligibility if there are 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. The appeal must be filed in writing within **six weeks** of notification of ineligibility. **Students who appeal must use the Satisfactory Academic Progress (SAP) Appeal Form found on the Financial Aid website.** All appeals must include supporting documentation (grade or major change form/s, doctor's statement, death certificate, etc.) and an academic plan to regain eligibility. The appeal may *not* be based on the student's *need* for the funds nor the *lack of knowledge* that eligibility for financial aid was in jeopardy. **The Financial Aid Appeal** Committee will review the appeal within two weeks of the deadline for filing all appeals provided all necessary documentation has been submitted; the students will be notified of the committee's decision by mail. *The Committee will not review Appeal Forms that are incomplete and/or lacking the required verification.* **The completed SAP Appeal Form should be sent to:** Director, Academic Support Programs; Xavier University of Louisiana; 1 Drexel Drive; New Orleans, LA 70125.

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.

For additional information, students should refer to the web or the Financial Aid Publication on Satisfactory Academic Progress.

## **READMISSION**

A student who desires readmission to the University after an interruption of his/her attendance for any reason must apply for readmission at least six months prior to the beginning of the semester he/she plans to return. The application is available in the Registrar's Office and also online. The application is presented to the College Academic Standing Committee for a decision. As part of the readmission procedure, a student who was not in good academic standing (cumulative GPA below 2.0) when he or she left Xavier must arrange for an appointment with the Counseling Center.

If a student is denied readmission by the College Academic Standing Committee, the student has a right to a written appeal of the decision. This appeal must be received in the Office of the Registrar no later than six weeks after the date of the denial letter. The University Academic Standing Committee, chaired by the Senior Vice President for Academic Affairs, meets just once a year in July, to review appeals and render decisions. Appeals received after the July meeting will be turned over to the College Academic Standing Committee and considered for the spring semester.

## **REINSTATEMENT OF STUDENTS WITH W\$ GRADES**

At the close of each semester, students who have all W\$ grades will have their records processed for inactivity just as any other withdrawal from the University, including CANCELLATION OF EARLY REGISTRATION AND ROOM RESERVATION.

Once a student has cleared his/her fiscal obligations, he/she will receive a form allowing him/her to request reinstatement. This form must be completed and returned to the Office of the Registrar two weeks prior to the spring semester if the W\$ grades were in the fall semester and the student wishes to return the following spring. Otherwise, this form must be returned two months prior to any semester for which readmission is sought.

The first time a student receives all W\$ grades and requests reinstatement, readmission will be automatically granted. Any subsequent times, readmission will be contingent upon a favorable review of the student's record by the Academic Standing Committee.

## **ABSENCE**

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.

Instructors are expected to keep accurate records of attendance. When a student misses five (5) consecutive classes, it must be reported by the instructor to Academic Support Services. 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 dropped 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.

## **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 in the class 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.

## **W\$ POLICY**

Students who have not satisfied their financial obligations to the University are prohibited from taking final examinations. Students who receive fiscal clearance **after** the date/time of his/her final examination(s) will **NOT** be given a make-up examination. In this case, the W\$ grade remains as a permanent part of the student's record. Students will, however, be allowed to take any remaining scheduled examinations once they receive fiscal clearance and will receive letter grades in those course(s).

## **WITHDRAWAL FROM COURSES**

Withdrawal from any course must be acknowledged in writing by the student's advisor and the instructor of the course being dropped. (A fee is charged for each change except during regular registration periods. For details of the withdrawal procedure, students should consult the Office of the Registrar.)

If the student withdraws before the official course withdrawal deadline in the University Calendar, the grade assigned will be "W". After this date no withdrawal from a course (other than withdrawal from the University) can be made except in extreme circumstances, and then only with the written approval of the student's college dean.

No student will be allowed to withdraw from a developmental 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.

A student who withdraws unofficially at any time is assigned a grade of "F".

## **WITHDRAWAL FROM THE UNIVERSITY**

To withdraw officially 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. (This form will be signed only after the student has cleared all obligations to the University.)
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 notifies the Registrar's Office of the withdrawal. The last day to officially withdraw from Xavier is posted in the academic calendar.**

The student who withdraws without permission 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 parents should request official withdrawal through the college dean's office. The dean will then contact the Office of the Registrar for processing of the withdrawal form.

## **REQUEST FOR TRANSCRIPTS**

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.

## **AUDITING**

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.

## **COURSE CREDIT RESTRICTIONS**

Ordinarily, students are not permitted to enroll for 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: Departmental chairpersons 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 chair, 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 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 in 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.

## **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 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.

## **COMPLETION OF DEGREE/GRADUATION POLICIES**

A student must complete all requirements before being awarded a degree. This includes 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.

## **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 drop/add during that semester. A student who does not successfully complete only **ONE** required course during that last semester and has also passed his/her senior comprehensives will be allowed to participate in commencement exercises. Withdrawal from any required courses will prevent the student from participating in the commencement exercises.

## **REQUIREMENTS FOR THE SECOND BACHELORS DEGREE**

A student who has earned a bachelor's degree at Xavier may apply for a second bachelor's degree only if the second degree is different from the first. All requirements of the second degree program that were not covered in the first program must be fulfilled. The combined programs must include at least 158 semester hours of credit.

## **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's 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.

## **LIBRARY**

As the center of intellectual life on campus, the Xavier University Library provides appropriate media for research and instruction, as well as the promotion of knowledge and cultural development of students and faculty.

Xavier University Library houses over 200,000 volume units and subscribes to nearly 1900 print periodicals and newspapers. Designated as a Federal Documents Depository in 1991, the Library is home to a growing list of federal publications on a variety of subjects. More than 721,000 microforms provide access to a wide range of periodical backfiles. A reader with a dedicated computer allows the user to digitize microfilm images, download them, and email the images.

The Library's collections are all searchable on XACweb (the online Xavier Automated Catalog). The Library is continually adding access to new electronic databases and indexes and full text publications. Resources such as the Springer e-books collection and NetLibrary provide access to nearly 30,000 e-books. Lexis/Nexis, ProQuest Direct, American Chemical Society, ACS Web Editions and ACS Legacy Archives, Past Masters, ATLA Religion Database and Mergent Online are but a few of the many electronic services that the Library offers. All electronic resources may be accessed from public terminals on all four floors of the building. Access to our library of full-text articles in major publications in the sciences and humanities are also available to the University's faculty, staff and students off campus via the library's web page.

Access Services offers the full range of Reference Desk services throughout the day and evening. "Ask a Reference Librarian," our electronic reference service, allows members of the Xavier University community to ask questions of Xavier's reference librarians, without having to visit the university library. Instructional sessions in effective library usage and research strategies are conducted by librarians and are available to classes by appointment. Through the Interlibrary Loan (ILL) Department, library patrons can borrow books and get photocopies of journal articles held by other libraries.

The Archives and Special Collections Division holds a large collection of rare books, manuscripts, photographs, and ephemera related to African American history and culture, the history of Louisiana and the Gulf-Caribbean region, U.S. Roman Catholicism, and the creative writing of the modern Deep South. Photo and photocopies are available for a modest fee.

Instructional Media Services (IMS) features instructional materials in a variety of formats. Classical and jazz recordings are available on LP, audiotape, and compact disc. IMS also holds a growing library of films by Africans and African Americans, films whose settings are in New Orleans and Louisiana, and filmed adaptations of classic literature. The most modern listening and viewing equipment is available in specially-designed classrooms, as well as individual study carrels.

A special library devoted to the study of pharmacy and other health sciences is located on the fourth floor, and is open throughout the day and evening. It includes a growing collection of books and electronic access to OVID and IDIS. This special library is also home to the Lowery-Levi Medical History Collection, which includes rotating displays of antique medical instruments, early pharmaceuticals, and early medical books and pamphlets.

The Library is open late five nights a week, with hours for most access services; reference, circulation, pharmacy reference, and microforms are available on weekends when school is in session. Special hours are observed during holidays and during the summer months. The gallery area in the front of the Library is the frequent host to art exhibits by students and local artists.

# Special Programs

## **DILLARD/LOYOLA/TULANE/XAVIER PARTNERSHIP**

The Dillard/Loyola/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 nine total hours at member institutions of the consortium. Full-time status (minimum of 12 hours) is determined by adding the number of hours of Xavier courses and those taken at member institutions. However, at least six 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.

## **XAVIER McNAIR PROGRAM**

This program is designed to assist and support undergraduate students interested in pursuing graduate study at the doctoral level. Supported by the U.S. Department of Education, the McNair initiative provides informative seminars; travel to graduate schools and research conferences; faculty mentors; and summer research programs. The McNair program is open to students from underrepresented ethnic groups and/or first generation/low income college students who have completed their sophomore year. McNair is an ideal complement to the GradStar Program. For more information on this program, contact the Office of Graduate Placement.

## **CENTER FOR INTERCULTURAL AND INTERNATIONAL PROGRAMS**

The Xavier Center for Intercultural and International Programs has been established to:

- (1) promote global awareness on campus;
- (2) expand study abroad opportunities for students across the curriculum;
- (3) provide leadership in globalizing the curriculum;
- (4) support faculty development in the intercultural and international arena; and
- (5) provide assistance to international students.

Students interested in incorporating a study abroad experience into their academic career at Xavier are encouraged to visit the Center for Intercultural and International Programs.

## **CENTER FOR UNDERGRADUATE RESEARCH**

The primary goal of Xavier University's Center for Undergraduate Research (XUCUR) is to facilitate the ongoing process of institutionalizing undergraduate research on Xavier's campus. In order to achieve this goal, XUCUR coordinates and oversees a multitude of research opportunities for undergraduates at Xavier. Information pertaining to on-campus and off-campus research experiences is available through XUCUR for students majoring in all disciplines. Applications for a diverse array of summer research experiences and for selected programs running through the academic year can be acquired from the XUCUR Office. A limited amount of research start-up funding for faculty and travel expenses for faculty and students to attend research conferences is also available. XUCUR directs XULAnEXUS, the university's online research journal. It also sponsors the Festival of Scholars, a conference scheduled each spring for the purpose of exhibiting student research.

## **EXCHANGE PROGRAMS**

Students interested in student exchange programs should contact the Special Projects Coordinator in the Office of the Dean of the College of Arts and Sciences.

## **CONTINUING EDUCATION**

Over the years Xavier has engaged in various activities related to continuing education, principally in the field of education and in pharmacy. The University awards Continuing Education Units (CEU's) to those who participate in these activities according to the guidelines prepared by the National University Extension Association and the Southern Association of Colleges and Schools.

## **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.

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. Coupling service with other teaching methods can transform a course, and deepen students' understanding of course themes and achievement of course objectives.

There are opportunities for participation in service-learning throughout disciplines and university departments. Service-learning is a joint effort between Student Services and Academic Affairs.

## **THE XAVIER SPEECH AND HEARING CENTER**

The Xavier Speech and Hearing Center, which is operated in conjunction with the speech pathology/audiology academic program, offers evaluations and/or treatment for a variety of speech-language-hearing disorders. Any individual from the community, including infants and seniors, may be evaluated and treated. Instructors may also refer any student who appears to have a speech-language-hearing problem to the Center for evaluation. Xavier students, faculty, and staff members may seek services at the Center free of charge. The fees charged to others are based on the client's ability to pay.

## **COOPERATIVE EDUCATION AND INTERNSHIPS**

Xavier offers two means for students to obtain pre-professional experience prior to graduation. Cooperative Education (Co-op) is an experiential learning program which provides students exposure to the business and professional world as part of their academic preparation. Co-op allows students the opportunity to work with employers while still pursuing their degrees and offers invaluable experience for future full-time employment.

### **Co-ops**

Two forms of Cooperative Education (Co-op) are offered. The first, called Alternating Co-op, involves alternating semesters of full-time on-campus study with semesters of full-time employment. Students successfully completing one semester of Alternating Co-op receive three semester hours of academic credit. Under the alternative plan, called Parallel Co-op, students may work part time while attending formal classes. Students successfully completing two semesters of Parallel Co-op receive three semester hours of academic credit. Under both plans, the student's work is monitored by the Xavier Career Services Office. Students who wish to participate must obtain approval from their departmental faculty advisor and the Career Services Office.

To be accepted into the program the student must:

- a) have attained sophomore standing,
- b) have a cumulative grade point average of 2.0 or better, and
- c) be able to demonstrate that he or she will profit from participating in cooperative assignments.

In most cases, participation in an alternating Co-op assignment will lengthen the student's stay in school and students should anticipate this extension of the usual time for completion of degree requirements.

### **Internships**

An internship is any short-term, supervised work experience usually related to a student's field of study, for which the student may or may not earn academic credit. In addition to Cooperative Education, the Career Services Office also coordinates formalized summer internships in conjunction with the Business Division and Computer Science Department. If students desire, academic credit may be earned for a paid summer work assignment. Students who wish to participate must obtain approval from their departmental chairpersons and the Career Services Office prior to the experience. Internships are also available through the GradStar Office and other academic departments.

## **INTERDISCIPLINARY MINORS**

### **African American Studies**

The Minor in African American Studies is a focused interdisciplinary program that explores the experiences and traditions of African Americans. The AFAM minor complements programs in the College of Arts and Sciences and other pre-professional and professional programs in the University. Students are introduced to historical origins and cultural foundations of African American society. Emphasis is centered on human organization, institutions, and socioeconomic development. The goal of the minor is to charter new and different directions of critical inquiry about African American contributions in the ongoing process of human development.

Students declaring the AFAM minor are required to meet with the Coordinator of the African American Studies Program to formulate a suitable plan of study.

The Minor in African American 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 Studies.

Specified courses:

AFAM 2000	Introduction to African American History and Culture
AFAM 2010	Introduction to African American Social Sciences
AFAM 2020	Special Topics in African American Studies
AFAM 3370	African Americans, Africa, and Pan-Africanism

Any student may select one of the above courses to satisfy the University requirement in African American Studies. For the student who minors in AFAM, 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 AFAM have knowledge of a language other than English.

### **International Studies**

The Minor in International Studies prepares students for careers in the international arena. The program of study provides a blend of traditional courses from the humanities, languages, and social sciences. Specifically, this program prepares students for:

1. Careers in government service, particularly the Foreign Service of the U.S. Department of State or any of the various other Federal agencies which function in the international milieu;
2. Careers in international business in the private sector;
3. Career as international civil servants with intergovernmental organizations such as the United Nations or careers with private international non-governmental organizations.

The Minor consists of twenty-one hours. Students choosing this minor are required to complete three (3) hours of the same foreign language over and above the six (6) hours which are required by the Core Curriculum. As a demonstration of language proficiency, students are required to have an overall average of 3.0 or higher in this foreign language sequence. Students are also required to complete six hours each in Economics, Political Science, and Sociology from the following list of courses:

Economics (6 hrs):	ECON 2020, 4050, 4070
Political Science (6 hrs):	PSCI 2040, 3400, 4640, 4680
Sociology (6 hrs):	SOCI 2060, 4050, or BHSC 4800

### **Women's Studies**

The Women's Studies Minor is offered under the coordination of the Women's Studies Advisor. 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, social and physical sciences. The Minor consists of eighteen (18) credit hours, nine (9) being required courses and nine (9) being electives.

The required courses are as follows:

ENGL 3125	Twentieth Century Women Writers
HIST 3010	Women in International Contexts
SOCI 1030	Introduction to Women's Studies

The three elective courses are to be selected from a discipline outside of the student's major and chosen from the following list of courses, many of which will be infused with greater than 25% discourse on women's issues:

EDUC 4200	Multicultural Education*
ENGL 3400	Literary Theory and Criticism*
ENGL 4060S	Seminar: African American Literature*
ENTR 3780	Organization & Operation of a Small Business*
FREN 3012	Afro-Francophone Women Writers
HIST 3390	African-American Women's History
PSCI 2060	International Law and Politics*
PSCI 4930S	Special Topics Seminar: Women and Politics
PSYC 4040	Psychology of Gender
SOCI 2050	Marriage and Family*
SOCI 3080	Social Stratification*
SOCI 4045	Comparative Societies*
SOCI 4650	Sociology of Women
SPAN 4051	Latin American Women Writers
SPCM 2075	Gender and African American Masculinities
THEO 2600	Women in Religion
WRIT 3060	Special Topic: Women Writers

\*Courses infused with 25-50% discussion on Women's issues. Additional courses may be approved by the Advisor as infused courses, upon submission of a qualifying syllabus.

## PRE-LAW PROGRAMS

In its Pre-Law Handbook, the Law School Admissions Council recommends no particular 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 pre-law students may find helpful. Thus, it is recommended that a student use his/her Core Curriculum requirements, minor, and free electives to take courses from the following list: 1) English 2020, 3275, or 3400, 2) History 3001, and 3) Philosophy 2040, 3190, or 3260, and 4) Political Science 2100, 3250, 3270 or 4100.

### Accelerated Pre-Law Curricula

Xavier students who are interested in attending a law school may shorten by one year the total time required to complete both the bachelor's degree and the law degree by participating in approved 3+1 programs. These programs are currently offered by the Departments of Philosophy and Political Science. In a 3+1 plan, the student completes three years at Xavier and spends his or her senior year at an accredited law school. After successfully completing 27-30 semester hours at the law school, the student transfers the law school credit to Xavier and receives the bachelor's degree. Thus, after four years, the student will have completed all the requirements for graduation from Xavier and have successfully finished the first year of law school.

The accelerated programs do not assure a student's acceptance into law school. Admission to law school is the responsibility of the student. There are several law schools in the United States that allow admission of the exceptional student who has not completed an undergraduate degree. The student who is interested in a career in law should express this intention to and arrange for an on-going consultation with the Pre-Law Advisor at his or her first registration at Xavier.

## **DUAL DEGREE ENGINEERING PROGRAMS**

The Xavier University Dual Degree Engineering Program is designed to give 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 Engineering Programs. When the three-year program is completed successfully, students transfer to an Engineering School of their choice 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 currently has agreements with the following Engineering Schools: Georgia Institute of Technology, Morgan State University, Southern University at Baton Rouge, Tulane University, University of Detroit Mercy, North Carolina A&T State University, University of Maryland, University of New Orleans, and University of Wisconsin. These agreements do not, however, preclude students from choosing and attending other Engineering Schools.

Students in the Dual Degree 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 or Chemistry from Xavier.

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

1. to 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. to offer a curriculum that will provide students with the optimum set of courses essential to the pursuit of a selection of engineering programs they might choose upon entry into an Engineering School;
3. to 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. to 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.

## PRE-HEALTH PROFESSIONS PROGRAMS

Students interested in preparing to enter a health professions including dentistry, medicine, optometry, osteopathy, podiatry, and veterinary medicine are **not** required to major in biology or chemistry or in a science. Most health professions schools do not require that applicants complete an undergraduate degree but many prefer that they do so.

The information below is only an overview of pre-health professions requirements. Students interested in enrolling in a health professions school, except Pharmacy, should express this intention to and consult with the University Premedical Advisor at the student's first Xavier registration. Those interested in Pharmacy should contact Xavier University's College of Pharmacy.

Basic Requirements: All health professions schools require one year of:

- general biology
- general chemistry
- organic chemistry
- general physics
- college mathematics
- English composition at the college level.

Students should be aware that the laboratory science requirements may **not** be satisfied by Advanced Placement from high school; they must be completed at a college. In addition, they must be completed **at least** twelve months before the anticipated date of entry into a health professions school so that the student can take the MCAT, DAT, or other required standardized admission exam.

Although calculus may be required for some degrees at Xavier, it is generally **not** required for admission into health professions school.

Some health professions schools also require one or more advanced courses in science, one or more courses in the social sciences, or specialized courses such as zoology (for veterinary school) or optics and statistics (for optometry). Consult specific catalogs

Additional Courses Recommended: It is strongly recommended that students interested in medicine or dentistry take at least three of the following advanced courses while at XU:

- Biochemistry
- Comparative Anatomy with laboratory
- Embryology with laboratory
- Histology with laboratory
- Physiology

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 "Preprofessional." 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 or dentistry in departments other than Biology, Chemistry, or Psychology should follow the schedule of courses below. Students in most majors at Xavier can follow the schedule by choosing a chemistry minor (general, organic, and biochemistry), using free electives and natural science Core Curriculum requirements for the other science courses, and making slight adjustments in the scheduling of courses in existing degree programs.

## Pre-Medicine/Pre-Dentistry Schedule

Freshman Year			
Semester Hours			
1st            2nd			
Semester   Semester			
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II
Mathematics 1030 or 1020 and 1070 or 1070H	3(4)	4	Precalculus or Statistics and Calculus I
Sophomore Year			
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I - II
Biology 1230/1230L - 1240/1240L	4	4	General Biology I-II
Junior Year			
Physics 2010/2010L - 2020/2021L	4	4	General Physics I-II
Biology 3350	3		Physiology
Chemistry 4130		3	Biochemistry
Senior Year			
Biology 4110/4110L	4		Histology
Biology 4090/4090L		4	Comparative Anatomy

### Accelerated Pre-Health Professions Curricula

Superior students interested in a health professions career may shorten by one year the total time required to complete both the bachelor's degree and the professional degree by participating in approved 3+1 programs. These programs are currently offered by the departments of Biology and Chemistry. In a 3+1 plan, the student completes three years at Xavier and spends his or her senior year at a professional school. After successfully completing 28-31 semester hours at the professional school, the student transfers these credits to Xavier and receives the bachelor's degree. Thus, after four years, the student will have completed all the requirements for graduation from Xavier and have successfully finished the first year of medical, dental, etc. school. Note: Students interested in the 3+1 program should not apply to schools that require an undergraduate degree for matriculation.

The accelerated programs do not assure a student's acceptance into the professional school. Admission to the professional school is the responsibility of the student. The student who is interested in an accelerated pre-health program should express this intention to his/her academic advisor at his or her first registration at Xavier.

### **Xavier-Tulane and Xavier-Rochester Early Medical Acceptance Programs**

Tulane University School of Medicine and the University of Rochester School of Medicine have special programs that allow Xavier students to gain entry into medical school during their junior year of undergraduate work. Students apply for either program during the second semester of their sophomore year and will be notified of their acceptance during the fall term of the junior year. Students accepted into either program will be expected to complete their undergraduate education at Xavier University prior to matriculation and to maintain satisfactory academic and behavioral progress. Students accepted into the Tulane program are required to score at least 27 on the Medical College Admissions Test (MCAT). Those accepted into the Rochester program are not required to take the test. Students in both programs are required to go through the usual application process in a timely fashion and are not obligated to attend the school into which early acceptance was granted.

### **R.O.T.C. 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.

# Honors Programs and Awards for Students

## ACADEMIC HONORS

### 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, Chemistry, Computer Information Systems, Computer Science, English, History, Mathematics, Music Theory, and Theology by satisfying certain departmental 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, Biology Pre-Med and Microbiology majors who satisfy these minimum requirements and who wish to be considered for the program are asked to apply by letter early in the spring semester of the Junior year. Students will be notified of the outcome of their application in writing. Successful applicants will be required to register for BIOL 4011S/4020S -- Honors Seminar, rather than BIOL 4210, during their Senior year. This course carries one hour of academic credit which will be awarded ONLY AFTER SUCCESSFUL COMPLETION OF BOTH SEMESTERS. Students will be required to submit a paper on their seminar topic to their seminar mentor during the semester in which the seminar is given. STUDENTS WILL BE DROPPED FROM THE PROGRAM IF THEY FAIL TO CONTINUE TO MEET THE ACADEMIC REQUIREMENTS GIVEN ABOVE.

**Honors in Chemistry** – Students majoring in Chemistry may apply 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 or Honors in Computer Science** – Each spring the department will select a limited number of students for possible graduation “with Honors in Computer Information Systems” or “with Honors in Computer Science.” Computer Information Systems majors who achieve the distinction, Honors in Computer Information Systems, will have maintained at least a 3.50 grade point average in all Computer Science courses and courses offered by the Business Department, and at least a 3.30 grade point average overall, WITH NO GRADE OF “C” OR LOWER IN ANY COMPUTER SCIENCE COURSE OR COURSE OFFERED BY THE BUSINESS DEPARTMENT, throughout their undergraduate careers. Computer Science majors who achieve the distinction, Honors in Computer Science, will have maintained at least a 3.50 grade point average in all Computer Science and Mathematics courses and at least a 3.30 grade point average overall, WITH NO GRADE OF “C” OR LOWER IN ANY COMPUTER SCIENCE OR MATHEMATICS COURSE, throughout their undergraduate careers. Computer Information Systems or Computer Science majors who satisfy these minimum requirements and who wish to be considered for the program are asked to apply by letter early in the spring semester of the junior year. Students will be notified of the outcome of their application in writing. STUDENTS WILL BE DROPPED FROM THE PROGRAM IF THEY FAIL TO CONTINUE TO MEET THE ACADEMIC REQUIREMENTS GIVEN ABOVE.

**Honors in English** – 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, 2011H, and a 3000 or 4000 level English course of their choice and receive a cumulative average of 3.0 or higher for all three courses.

Students with Advanced Placement credit may take the sequence with ENGL 2011H and one more English course at the 3000 or 4000 level. A cumulative average of 3.0 or higher in these two courses will earn them Honors in English.

ENGL 1023H and 2011H satisfy the core curriculum requirements in English composition, introduction to literature, and world literature (the equivalent of ENGL 1010, 1020, and 2010). **Upon receiving a grade of "C" or better in the Freshman Honors English Sequence (ENGL 1023H and 2011H), the student will receive 3 semester hours of credit for ENGL 1010. ENGL 1020 and 2010 cannot be substituted for the Freshman Honors English Sequence; if the student elects to take either of those, he/she forfeits his/her placement in the Honors sequence. If a student elects not to take ENGL 2011H after completing ENGL 1023H, that student must then enroll in and pass ENGL 1010 in order to graduate. A student who earns an "A" in English 1010 may also qualify for the honors sequence. A student with credit in other than AP programs should consult the chair of English for honors consideration.**

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.**

**Honors in History** – Students selected by the placement process of the Admissions Office to take HIST 1031H - HIST 1041H may graduate with an honors in history designation on their transcripts if they take these courses and one more history course at the 3000- or 4000-level. Students must earn a grade of at least a "B" in each of the three courses.

**Honors in Mathematics** – For consideration for Honors in Mathematics, 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 course work that satisfy these requirements are third semester calculus (MATH 2080); basic statistics with a technology lab (STAT 2010 and STAT 2150L); MATH 2030 or MATH 2530 or MATH 2050 together with a technology lab (MATH 2160L), or the two semesters of seminar (MATH 2511S and MATH 2521S). 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 chair 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 Theology** – Students are eligible to graduate with an honors distinction in Theology. To do so one must complete a minimum of three Theology courses, one introductory 1000 level course, and any two upper level, 2000 or higher courses, with a total of 9 credit hours and a grade of a “B” or higher in each of the courses

## HONORS PROGRAMS

**The MARC Biomedical Fellows.** The Minority Access to Research Careers (MARC) Program provides financial and programmatic support for undergraduate juniors and seniors interested in biomedical research and advanced study leading to a Ph. D. This two-year program, funded by NIH, includes summer and academic year research opportunities, travel to scientific meetings, and a variety of activities designed to prepare students for success in graduate school. Financial aid is in the form of scholarship funds and a monthly stipend. Biology, chemistry, physics, engineering, math, computer science, and psychology majors are eligible to participate. Applicants must have sophomore status and a minimum 3.0 GPA. Applications are available in the MORE Office.

**The MBRS RISE Program.** The Minority Biomedical Research Support (MBRS) Research Initiative for Scientific Enhancement (RISE) program provides research opportunities for undergraduate minority students in biology, chemistry, and biochemistry. This program is designed to promote interest of African American students in biomedical research careers, strengthen student research competence, and better prepare the participating students for graduate school. Selected students are offered certain financial incentives during their program participation. Funding for the RISE program comes from the National Institutes of Health. Applications are available in the MORE office as well as on the MORE programs website.

**The Rousseve Scholarships.** The Rousseve Scholars Program, which honors the Rousseve family, provides a full tuition scholarship and book stipend for one academic year to each of the top ten students in the sophomore, junior, and senior classes. The recipients are selected annually. For additional information regarding selection criteria and eligibility requirements, see *Rousseve Scholarships* in the section entitled Tuition, Fees and Expenses.

## **XAVIER UNIVERSITY AWARDS**

### **Leadership Awards**

THE SAINT KATHARINE DREXEL AWARD. The sum of \$2,000 is awarded 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. The sum of \$1,500 is awarded 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, 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 LILLY ACHIEVEMENT AWARD. A gold medal provided by Eli Lilly and Company is presented to a graduating pharmacy student for superior scholarship and personal achievement. Leadership qualities and professional attitude are also considered.

THE XAVIER UNIVERSITY COLLEGE OF PHARMACY AWARD FOR 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 premedical honor society with more than 120 chapters in the U.S. and Canada. To qualify for membership a student must be a biology, chemistry, or psychology premed major with a grade point average of at least 3.2 at the end of three semesters or a 3.0 at the end of 5 semesters of college.

Alpha Kappa Delta. Founded in 1920, Alpha Kappa Delta is the international honor society for Sociology. The letters, AKD, represent the first letters of the three classical Greek words that embody the function of the society, anthropos, meaning mankind; katamanthano, meaning to examine closely or acquire knowledge; and diakoneo, meaning to engage in service. Minimum requirements for undergraduate admission to AKD include:

- declaration of Sociology as a major or demonstration of serious interest in Sociology within an academic program;
- academic status of junior; must have completed four courses in Sociology; and
- the equivalent of an overall grade point average of three on a four point scale, and rank in the top 35% of their class in general scholarship.

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;
- to cultivate string values in personal living; and,
- to 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 majors in biological science 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;
- achieved at least a 3.0 grade point average in three biological science courses, at least one of which is not an introductory course; and
- obtained the recommendation of their department chair.

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.

Students are eligible for membership in the Society if they are enrolled in the graduate counseling program and have completed the equivalent of at least one full academic term of courses. They must have maintained an overall a scholastic grade point average of at least 3.5.

Kappa Gamma Pi. Kappa Gamma Pi is a 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 be of Roman Catholic faith with an excellent academic record accompanied by demonstration of outstanding service and leadership.

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;
- An overall GPA of 3.0 or better; and
- Be in the top 35% of his or her class.

Phi Lambda Upsilon National Chemistry Honor Society. The Beta Xi chapter at Xavier is the only 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. (Summer research programs or other programs involving chemistry may be used to fulfill this last requirement.)

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; achieved a 3.0 cumulative GPA and a 3.4 GPA in Psychology; and, actively participated in the Psychology Club for a minimum of one semester. Students who meet these criteria and are interested in membership must submit a letter of intent and participate in an interview.

Rho Chi. The object of the Rho Chi Society is the promotion of scholarship, friendship, and the recognition of high attainments in the pharmaceutical sciences. Pharmacy majors with at least a 3.0 average who rank in the upper 20% of their pharmacy classes are eligible for membership. Students must also have completed at least seven semesters of work toward their degree in pharmacy.

Sigma Beta Delta. Sigma Beta Delta is a national honor society for students of business, management, or administration who are pursuing baccalaureate or master's degrees. The Society encourages and promotes aspirations toward personal and professional improvement and a life distinguished by honorable service to humankind. To qualify for membership a student must be a senior with a 3.5 average.

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 or her class in general scholarship; and
- Have completed at least three semesters of college course work.

## **COMPREHENSIVE 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 XU. To this end Xavier provides each student an academic advisor in his/her major area, preprofessional advisors in Pre-Law, Pre-Engineering, and Pre-Medicine/Pre-Dentistry 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.

### **Graduate School**

GradStar (the Graduate Placement Program) was created to support Xavier's efforts in placing more African American students into graduate and professional school. Students from any major at Xavier are eligible to participate in the program. Students with a cumulative GPA of at least 2.75 may begin working with the GradStar office any time after their freshman year.

During the sophomore, junior and senior years, GradStar students participate in critical thinking and writing skills development, independent research projects, standardized test preparation (GRE, GMAT, LSAT), and orientation/motivation seminars on graduate school placement, application and admission. Selected GradStar students participate in campus visitations and summer research programs at many of the nation's most prestigious graduate schools. In addition, GradStar hosts recruiters from all over the country at its bi-annual Grad Fair programs.

Faculty from each academic department serve as GradStar liaisons and recommend students to the program. They are also members of the program's advisory committee.

**Health Professions**

Xavier's Premedical Program is designed to help the maximum number of qualified students, especially African Americans, gain entry into and succeed in schools of medicine, osteopathic medicine, dentistry, veterinary, optometry, podiatry, public health, and health care administration. The program is designed to complement, not supplant, support provided by academic advisers 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 an intense series of 25 group workshops for students during the freshman year. In subsequent years the number of 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 common exams required for admission into health professions schools. Materials used in both group workshops and individual advising sessions are readily available on the premedical website (<http://www.xupremed.com>) for students who missed activities or would like a reminder.

**Engineering Careers**

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.

**Law Careers**

The Office of the Pre-Law Advisor provides two basic types of advice and information:

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

In addition, the Pre-law Advisor works in conjunction with the GradStar Program.

**Pharmacy Profession**

The Pre-Pharmacy curriculum offered through the College of Arts and Sciences' Chemistry Department prepares students for success in pharmacy school. Students wishing to pursue a Doctor of Pharmacy (PharmD) degree through Xavier's College of Pharmacy must complete 66 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. 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.

# Curriculum

## *College of Arts and Sciences*

Xavier's College of Arts and Sciences offers students the opportunity to receive a liberal education so that they may develop fully as human persons who are committed to the search for truth. Through the attainment of an expansive education, Xavier students will be prepared to become contributing members and leaders in their communities. They will be motivated and prepared to contribute to a more just and humane society through service to God and others.

In each of the college's programs, students are required to take a core of prescribed studies in: arts and humanities; communications and African American studies; history and the social sciences; mathematics and the natural sciences; as well as theology and philosophy. Each academic program also includes intensive work in a major field as well as in a minor discipline so that the student may be introduced to scholarly work in at least two areas. This dual exposure will give the student a firm foundation for graduate and professional studies, as well as for the world of work.

Each student must follow one of the approved programs outlined on the following pages or, in special cases, a program developed under the guidance of his/her faculty advisor and approved by the dean. The latter possibility includes a major at Loyola University in certain specified fields when that major is not offered at Xavier.

### **UNDERGRADUATE DEGREES OFFERED**

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

Art	Middle School Education
Art Education	Music
Biology	Philosophy
Elementary Education	Physics *
English	Political Science
English/Education	Social Studies Education
French	Sociology
History	Spanish
Language Education	Theology
Mass Communications	

\*A student who completes the dual-degree program in chemical engineering is awarded a B.S. in Engineering by the Engineering School and either a B.A. or a B.S. by Xavier University, depending upon courses taken.

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

Performance  
Music Education

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

Accounting	Computer Science
Biochemistry	Mathematics
Biology	Mathematics Education
Biology Education	Microbiology
Business	Physics
Chemistry	Psychology
Chemistry Education	Speech Pathology
Computer Information Systems	Statistics

**REQUIREMENTS FOR THE DEGREE**

In the College of Arts and Sciences, a candidate for the degree must complete a minimum of 128 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. The candidate must also pass a comprehensive/performance examination in his/her major field usually in the senior year. A student who has not passed the senior comprehensive, or the Praxis II or GRE for the departments which allow these tests to be used as a substitute for the senior comprehensive, will not be allowed to participate in the commencement ceremony. 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 average of 2.0 is required by the college in the major field but individual departments may require a higher average. The approved programs are listed under the departments which offer them.

**DECIDING MAJORS**

The Office of Academic Enhancement has developed a system of academic advising and mentoring for deciding majors that includes academic advising by faculty for courses, career assessment and planning, and academic monitoring. Students are provided individual counseling in choosing a major and receive exposure to the career options that such majors offer.

**MINOR**

Each student's program of studies 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 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 which 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 12 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 chairperson of the student's major department and the chairperson of the other two departments as well as the dean of the college.

Any exceptions to the above must be approved by the student's chairperson and the dean of the college.

### **THE CORE CURRICULUM**

The College of Arts and Sciences has a general education requirement, or Core Curriculum, designed to provide a common base of knowledge, values, and skills essential to the education of each student, and upon which individual departments can build their specialized programs. The Core Curriculum is also intended to stimulate the student's curiosity in areas other than his/her chosen specialization and to provide the inspiration and foundation for further intellectual development.

The goals of the Core Curriculum are:

- To introduce the student to the common elements of the human heritage with special attention devoted to the richness and diversity of that heritage;
- To assist the student to reason effectively;
- To assist the student to develop a system of values that will serve as a guide for making ethical and moral decisions;
- To assist the student to develop the knowledge and skills necessary to communicate effectively;
- To introduce the student to concepts, methods and skills necessary to participate effectively and responsibly in society, as well as the skills to create a more humane society.

The faculty believes that in order to achieve these goals the Core Curriculum should include courses which contribute to the development of a student who has:

- the ability to write and speak effectively,
- the ability to reason effectively and to think both critically and creatively,
- the ability to respond to the basic questions of humanity and to develop a system of personal values,
- a familiarity with and an understanding of the past,
- an acquaintance with a foreign language,
- an appreciation of the arts and of literature,
- acquaintance with the scientific method,
- quantitative and computational skills and an acquaintance with the essential nature of mathematics,
- an understanding of the psychological, social, economic, and political forces which move and shape the world in which the student lives,
- acquaintance with concepts of the biological and physical sciences, and
- acquaintance with the principles of physical well-being and with the creative use of leisure time.

Therefore, a Core Curriculum has been established which requires that each degree program contains the following:

### Core Curriculum

<b>Courses</b>	<b>sem. hrs.</b>	<b>Courses</b>	<b>sem. hrs</b>
African American Studies .....	3	Philosophy *** .....	6
(any African American		Physical Education** .....	1
Studies 3-hour course)		Social Sciences .....	6
English Composition .....	6	(two courses from any two of	
Fine Arts .....	3	the following disciplines	
(any Art course ( <b>except</b>		ECON: 1030, 2010, 2020;	
<b>ART 2500</b> ), Music course,		PSCI: 1010, 1020;	
MSCM 2580, SPCH 2400, or		PSYC: 1010;	
WRIT 1050)		SOCI: 1010)	
Foreign Language* .....	6	Speech Communication	
Mathematics		(SPCM 1010) .....	3
(completion of any 1000-		Theology*** .....	6
level mathematics course		World History	
offered by the Department of		(HIST 1030-1040) .....	6
Mathematics) .....	3	World Literature	
Natural Science (including		(ENGL 2010) .....	3
at least one semester hour		Free Electives ..	8
of laboratory work) .....	6		

\* Six hours in one language (any foreign language or American Sign Language). See the Department of Languages description for placement options.

\*\* To fulfill this requirement, students may elect to test-out by passing a physical education exercise (i.e., swimming, sports activities) or take a physical education activity course. Test-out courses fulfill the core curriculum physical education requirement but do not offer academic credit. If a student elects to test-out and fails, he or she may have a second try in the same or different sport. Should he or she fail the second time, he or she must take a physical education activity course.

\*\*\* Three semester hours must be taken at the introductory level, and three must be taken at an upper level. See the course listings in this catalog.

## **DEPARTMENT OF ART**

In support of the University's mission, the Art 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.

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 career. Problem solving, research, community collaboration and the integration of creative and technical practices lay at the root our 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 Department as majors are required to give some evidence of special ability in the field prior to admission. Admission to sophomore level and above art classes 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.

This and additional information about Xavier University Art Department can be viewed at <http://www.xula.edu/art/index.php>.

Entering freshmen may compete for scholarships in accordance with the following guidelines:

1. The student must have completed an application for admission and have been accepted by the university before any scholarship is considered.
2. Three original works, each representing a different medium, are to be presented to the department by May 1 prior to the fall the student plans to enter. Works are sent and returned at the student's expense and risk.

The Art Department reserves the right either to accept studio art credits from other institutions or to require the student to take further courses in the XU Art Department. The decision will be based on the quality of the work submitted by the student.

Upon graduation at least one work of each graduating senior is to be submitted to and retained by the Department. Each graduating senior must present to the department twelve color slides of digital documentation representing his/her best work. Majors are required to pass a comprehensive examination. 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.

Art majors in the B.A. in Art Program are required to take 54 semester hours in art courses of which twelve (12) hours are electives in a chosen media or other art courses. The following are required in the B.A. in Art Program: Art 1010, 1020, 1030, 1040, 1050, 1060, 1090, 2020, 2030, 2040, 2070, 2080, 2110, 2120, and 2130.

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, 1020, 1030, 1050, 1060, 1090, 2020, 2070, 2080, 2110, 2120, and 3000.

**Minor in Art** -- In addition to the two major programs the Art Department also offers a minor in Art for those students majoring in another discipline. In the minor, nine (9) hours are required -- Design I (ART 1010-1020) and Drawing I (ART 1030). Nine hours are to be chosen from:

- Art History (ART 2110-2120)
- Art of the 20th Century (ART 2130)
- Black & White Photography (ART 3011)
- Calligraphy (ART 3170)
- Ceramics (ART 1050, 3110, 3120)
- Color Photography (ART 3022)
- Drawing II (ART 2030-2040)
- Graphic & Advertising Design (ART 2020, 4010, 4020)
- Painting (ART 1060, 3050, 3060)
- Printmaking (ART 2080, 3090, 4100)
- Sculpture (ART 2070, 3070, 3080)

**Minor in Arts Management** – The Arts Management program minor is designed to give students the entrepreneurial skills needed in an economy driven more and more by creative enterprise. The Arts Management Program infuses the ideals of cultural awareness and nonprofit management with the art courses to create an innovative arts management program. The mission of the Arts Management Program is to help students develop analytical and strategic skills while expanding their understanding of artistic disciplines and their importance to community building and social enterprise. Goals include incorporating and documenting the arts as an agent for social change and a tool to build community relationships. The community aspects of working in not-for-profit management will be emphasized in this minor. Through the Art 2600 and 3200 courses, students will be encouraged to gain practical experience through intern and volunteer opportunities with community based art 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 Community Development through the Arts
- ART 3200 Arts Trends and Policy

**Business Courses**

- ACCT 1010 Principles of Accounting I
- BSAD 2020 Intro to Entrepreneurship
- BSAD 3780 Organization and Operation of a Small Business

\*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.

## PROGRAM IN ART

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Art 1010-1020	3	3	Design IA-IB
Art 1030-1040	3	3	Drawing IA-IB
Art 1090-1050	3	3	Art Appreciation/Ceramics
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics		3	Core Requirement
Physical Education	1		Activity Course or Test
Speech Communication 1010	3		Fundamentals of Public Speaking
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	16	15	

### SOPHOMORE YEAR

Art 2020		3	Graphic & Advertising Design
Art 2030-2040	3	3	Drawing IIA-IIB
Art 2070-2080	3	3	Sculpture/Printmaking
Art 2110-2120	3	3	Art History
African American Studies	3		Core Requirement
English 2010	3		World Literature
History 1030-1040	3	3	World Civilization
Theology		3	Core Requirement
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	18	18	

### JUNIOR YEAR

Art 2130		3	Art of the 20th Century
Art 1070/Art Elective	3	3	Sculpture/Art Elective
Foreign Language	3	3	Core Requirement
Social Sciences		3	Core Requirement
Theology	3		Core Requirement
Minor	6	6	
Electives	3		
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	18	18	

### SENIOR YEAR

Art elective	3	3	
Art 4999		0	Senior Comprehensives
Natural Science	3	3	Core Requirement
Philosophy	3	3	Core Requirement
Social Sciences	3		Core Requirement
Minor	3	3	
Free Electives	3	2	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	18	14	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3		
Art	54	Physical Education	1
English	9	Speech Communication	3
Foreign Language	6	Social Sciences	6
History	6	Theology	6
Mathematics	3	Minor	18
Natural Sciences	6	Free Electives	8
Philosophy	6	Total Semester Hours	<hr style="width: 50%; margin-left: 0;"/>
			135

## PROGRAM IN ART EDUCATION

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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Art 1010-1020	3	3	Design IA-IB
Art 1030-1040	3	3	Drawing IA-IB
Art 1090	3		Art Appreciation
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1010-1020	3	3	Modern Math/Basic Stat.
Speech Communication 1010		3	Fundamentals of Public Speaking
	18	18	

### SOPHOMORE YEAR

Art 1050-1060	3	3	Ceramics/Painting
Art 2020-2080	3	3	Graphics/Printmaking
Art 2030-2040	3	3	Drawing IIA-IIB
Education (EDSP) 2040	3		Intro. to Exceptional Children
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Biology 1030/1030L- 1040/1040L	3	3	General Biology
English 2010	3		World Literature
Integrated Physical Science 2010		4	Integrated Physical Science
Physical Education		1	Core Requirement
	18	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.

Art 2110-2120	3	3	History of Art IA - IB
Art 2130		3	Art of the 20 <sup>th</sup> Century
Art 3000	3		Trends in Art Education
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 2044		3	Classroom Org. & Management
Education (EDSC) 3023	3		Special Methods
Education (EDSC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
Philosophy	3	3	Core Requirement
Theology	3	3	Core Requirement
	18	18	

**SENIOR YEAR**

Art 2090	3		Art Essentials for Teachers
Art 2070	3		Intro to Sculpture
Art 4999		0	Senior Comprehensives
Education (EDSC) 4150	3		Teaching Reading in the Content Areas
Education (EDSC) 4061T		9	Student Teaching
Education (EDUC) 2025	3		Child Psychology
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDUC) 4200		3	Multicultural Education
African American Studies	3		Core Requirement
Free Elective	3		Core Requirement
	<u>18</u>	<u>12</u>	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
Art	51	Integrated Physical Science	4
African American Studies	3	Mathematics	6
Biology	6	Philosophy	6
Education	33	Speech Communication	3
English	9	Theology	6
Health & Physical Ed.	1	Free Electives	<u>3</u>
History	6	Total Semester Hours	137

## DEPARTMENT OF BIOLOGY

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 B.S. degree programs in Biology, Microbiology and Biology Education and a B.A. degree program in Biology. The Biology and Microbiology programs provide excellent preparation for a number of different career paths and for graduate school or medical school. Students majoring in Biology may, if they wish, designate themselves Pre-Medicine when declaring their major. The Microbiology program is especially appropriate for students interested in graduate study in microbiology, immunology, cell biology, or biochemistry. 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. The B.A. in Biology is designed to serve those biology majors who are interested in combining their study of biology with other disciplines such as pre-law, marketing, social sciences, history, etc. This degree will not prepare students for graduate programs in biology or for medical or dental schools. Students who later may wish to pursue graduate programs in biology or attend professional school will be required to take additional courses in chemistry, physics and mathematics.

Biology Pre-Medicine majors have the option of choosing the accelerated program. This program enables them to seek admission to medical school at the end of their junior year. Courses taken during the first year of professional school may be substituted for those usually taken during the senior year at Xavier. The B.S. degree from Xavier is awarded at the completion of these courses. This accelerated program does not exempt a student from the Core Curriculum or required biology courses.

**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 biology 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, Mississippi. Xavier students are eligible to take courses at this institution.

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 the students with knowledge of basic biological concepts so that they may be able to explain the concepts, interpret data in the light of these concepts, and organize these concepts in such a manner as to indicate an understanding of their interrelatedness.
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**

For the major in Biology or Biology-PreMed (including the 3+1 accelerated track):  
BIOL 1230/1230L, 1240/1240L, 2000/2000L, 2010/2010L, 3110/3110L, 4210 and fifteen hours of biology electives.

**For the major in Microbiology:**

1. BIOL 1230/1230L, 1240/1240L, 2010/2010L, 3081/3081L, 3110, 4250/4250L, and 4210;
2. Any three of the following: BIOL 3070/3070L, 3150, 4220, 4240;
3. Sufficient hours of Biology electives for a total of at least 36 hours of Biology courses. Recommended are BIOL 3360/3360L, 3091/3091L, 3210/3210L, 4300 and 4402L (4402L) may be repeated once for credit.

Students in all programs should note that: 1) required courses MUST be taken in sequence as indicated in the curricula outlined below; 2) Biology electives are not to be attempted until all required courses in the Department 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) all students regardless of their program are to register for BIOL 4999 -- Senior Comprehensives IN THE FALL SEMESTER FOR STUDENTS PLANNING TO GRADUATE IN MAY, AND IN THE SPRING FOR STUDENTS PLANNING TO GRADUATE IN DECEMBER. 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 and all Sophomore Competency exams.

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, Biology Pre-Med and Microbiology majors who satisfy these minimum requirements and who wish to be considered for the program are asked to apply by letter early in the spring semester of the junior year. Students will be notified of the outcome of their application in writing. Successful applicants will be required to register for BIOL 4011S/4020S -- Honors Seminar, rather than BIOL 4210, during their senior year. This course carries one hour of academic credit which will be awarded ONLY AFTER SUCCESSFUL COMPLETION OF BOTH SEMESTERS. Students will be required to submit a paper on their seminar topic to their seminar mentor during the semester in which the seminar is given. STUDENTS WILL BE DROPPED FROM THE PROGRAM IF THEY FAIL TO CONTINUE TO MEET THE ACADEMIC REQUIREMENTS GIVEN ABOVE.

**Minor in Biology** -- Students in other majors who wish to minor in Biology must take 1230/1230L, 1240/1240L, and at least ten hours of biology numbered above 1240.

## B.S. PROGRAM IN BIOLOGY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Biology 1230/1230L - 1240/1240L	4	4	General Biology
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II
English 1010-1020	3	3	Comp and Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Speech Communication 1010	3	3	Fundamentals of Public Speaking
	14	17	

### SOPHOMORE YEAR

Biology 2000/2000L	4		Biodiversity
Biology 2010/2010L		4	Microbiology
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I - II
Mathematics 1030 (if needed)	4		Precalculus
Mathematics 1070		4	Intro. Calculus
Social Sciences		3	Core Requirement
English 2010	3		World Literature
Philosophy	3		Core Requirement
Theology		3	Core Requirement
	18	18	

### JUNIOR YEAR

Biology 3110/3110L	4		Genetics
Biology		4	Elective
African American Studies		3	Core Requirement
Foreign Language	3	3	Core Requirement
Physics 2010/2010L - 2020/2020L	4	4	General Physics
Philosophy		3	Core Requirement
Social Sciences	3		Core Requirement
Theology	3		Core Requirement
	17	17	

### SENIOR YEAR

Biology 4210*	1/0	1/0	Intro. to Scientific Lit.
Biology Electives	6	5	
Biology 4999	0		Senior Comprehensives
Chemistry 4130/4130L		4	Biochemistry
Fine Arts	3		Core Requirement
Physical Education	1		Core Requirement
Free Electives	3	5	
	13/14	14/15	

\*One hour credit is required; may be taken in either semester.

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Biology	36	Physical Education	1
Chemistry	20	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	8
Mathematics	8	Total Semester Hours	129

**B.S. PROGRAM IN BIOLOGY**  
**(Accelerated Premedical 3 + 1- Curriculum)**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Biology 1230/1230L - 1240/1240L	4	4	General Biology
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics 1030 (if needed)	4		Precalculus
Mathematics 1070		4	Intro. Calculus
Speech Communication 1010		3	Fundamentals of Public Speaking
	<hr/> 15	<hr/> 18	

**SOPHOMORE YEAR**

Biology 2000/2000L	4		Biodiversity
Biology 2010/2010L		4	Microbiology
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I - II
Foreign Language	3	3	Core Requirement
Philosophy	3		Core Requirement
Physics 2010/2010L - 2020/2020L	4	4	General Physics
Theology		3	Core Requirement
	<hr/> 18	<hr/> 18	

**JUNIOR YEAR**

Biology 3110/3110L	4		Genetics
Biology 4210*	1/0	1/0	Intro. to Scientific Lit.
Biology 4999		0	Senior Comprehensives
African American Studies		3	Core Requirement
English 2010	3		World Literature
Fine Arts	3		Core Requirement
History 1030-1040	3	3	World Civilizations
Philosophy		3	Core Requirement
Physical Education		1	Core Requirement
Social Sciences		6	Core Requirement
Theology	3		Core Requirement
	<hr/> 16/17	<hr/> 16/17	

**Credits Accepted from Medical School:**

Biology electives .....	15
Chemistry electives .....	4
Free electives .....	8

**SUMMARY**

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Biology	36	Physical Education	1
Chemistry	20	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	8
Mathematics	8	Total Semester Hours	<hr/> 129

\*One hour credit is required; may be taken in either semester.

## B.S. PROGRAM IN MICROBIOLOGY

Microbiology majors should take note of the differences in departmental requirements between this curriculum and that for the major in Biology. See under "Required and elective courses in the department."

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Biology 1230/1230L - 1240/1240L	4	4	General Biology
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I - II
English 1010-1020	3	3	Comp and Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Speech Communication 1010	3	3	Fundamentals of Public Speaking
	14	17	

### SOPHOMORE YEAR

Biology 2010/2010L	4		Microbiology
Biology 3081/3081L		4	Diagnostic Microbiology
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I - II
English 2010	3		World Literature
Mathematics 1030 (if needed)	4		Precalculus
Mathematics 1070		4	Intro. Calculus
Philosophy	3		Core Requirement
Social Sciences		3	Core Requirement
Theology		3	Core Requirement
	18	18	

### JUNIOR YEAR

Biology 3110	3		Genetics
Biology 4250/4250L		4	Molecular Genetics
African American Studies		3	Core Requirement
Fine Arts	3		Core Requirement
Foreign Language	3	3	Core Requirement
Philosophy		3	Core Requirement
Physical Education		1	Core Requirement
Physics 2010/2010L - 2020/2020L	4	4	General Physics
Social Sciences	3		Core Requirement
	16	18	

### SENIOR YEAR

Biology 4210*	1/0	1/0	Intro. to Scientific Lit.
Biology Electives**	7	5	
Biology 4999	0		Senior Comprehensives
Chemistry 4130/4130L	4		Biochemistry
Theology		3	Core Requirement
Free Electives	3	5	
	15/14	14/13	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Biology	36	Physical Education	1
Chemistry	20	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	8
Mathematics	8	Total Semester Hours	129

\*One hour credit is required; may be taken in either semester.

\*\*See under "Required and elective courses in the Department."

## B.A. PROGRAM IN BIOLOGY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Biology 1230/1230L - 1240/1240L	4	4	General Biology
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II
English 1010-1020	3	3	Comp and Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Speech Communication 1010	3	3	Fundamentals of Public Speaking
	14	17	

### SOPHOMORE YEAR

Biology 2000/2000L	4		Biodiversity
Biology 2010/2010L		4	Microbiology
Chemistry 2210/2210D	3		Organic Chemistry
African American Studies		3	Core Requirement
English 2010	3		World Literature
Mathematics 1030	3		Core Requirement
Philosophy	3		Core Requirement
Physical Education	1		Core Requirement
Social Sciences		3	Core Requirement
Theology		3	Core Requirement
Minor		3	
	17	16	

### JUNIOR YEAR

Biology 3110/3110L	4		Genetics
Biology Elective		3	
Foreign Language	3	3	Core Requirement
Philosophy		3	Core Requirement
Physical Science		3	
Social Sciences	3		Core Requirement
Theology	3		Core Requirement
Minor	3	6	
	16	18	

<b>SENIOR YEAR</b>			
Biology 4210*	1/0	1/0	Intro. to Scientific Lit.
Biology Electives**	7	5	
Biology 4999	0		Senior Comprehensives
Fine Arts	3		Core Requirement
Minor	3	3	
Free Electives	3	6	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	17/16	15/14	

\*One hour credit is required; may be taken in either semester.  
 \*\*See under "Required and elective courses in the Department."

<b>SUMMARY</b>			
	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Philosophy	6
Biology	36	Physical Education	1
Chemistry	11	Physical Science	3
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Minor	18
Mathematics	3	Free Electives	<hr style="width: 50%; margin-left: 0;"/>
		Total Semester Hours	129

#### **Program in Engineering**

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 Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

### **PROGRAM: DUAL DEGREE BIOMEDICAL ENGINEERING**

#### **FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Physics 1121		4	General Physics with Calculus
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics 1070-2070	4	4	Intro. Calculus, Calculus II
Social Science or Foreign Language	3	3	Core Requirement
Speech Communication 1010	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	Fundamentals of Public Speaking
	17	18	

#### **SOPHOMORE YEAR**

Physics 2111/2121	4	4	General Physics with Calculus
Biology 1230/1230L – 1240/1240L	4	4	General Biology
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry
Fine Arts		3	Core Requirement
Mathematics 2080/2030	4	3	Calculus III/Linear Algebra
Physical Education	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	Activity Course or Test
	17	18	

**JUNIOR YEAR**

Engineering 2210/2020	3	3	Mech. Statics/Dynamics
Engineering 2120		3	Network Analysis
Engineering 2630		3	Analytical Methods
Chemistry 4130		3	Biochemistry I
Computer Science 1760	3		Introduction to C Programming
History 1030 or 1040	3		World Civilizations
Mathematics 2530	3		Differential Equations
Philosophy 2040/xxxx	3	3	Logic/Philosophy Core Req.
Theology	3	3	Core Requirement
	<u>18</u>	<u>18</u>	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
Biology	8	History	3
Chemistry	19	Mathematics	18
Computer Science	3	Philosophy	6
Engineering	12	Physics	12
English	6	Physical Education	1
Fine Arts	3	Speech Communication	3
Foreign Language or		Theology	6
Social Sciences	6	Total Semester Hours	<u>106</u>

**Note: Biomedical Engineering students who wish to receive a B.A. or a B.S. degree in Physics from Xavier University of LA must satisfy the following requirements in addition to the above:**

**B. A. Degree in Physics**

Physics 3510S or 3520S	1
Physics 3310L or 3320L	1
Courses taken in Engineering School	<u>26</u>
Total hours	<u>28</u>

**B. S. Degree in Physics**

Physics 3510S or 3520S	1
Physics 3310L or 3320L	1
Physics 3030-3040	6
Physics 3050-4050	6
Courses taken in Engineering School	<u>14</u>
Total hours	<u>28</u>

## B.S. PROGRAM IN BIOLOGY EDUCATION (GRADES 6-12)

### (Certification – Biology)

**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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.**

#### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Biology 1230/1230L-1240/1240L	4	4	General Biology I & II
Chemistry 1010/1010D/1011L 1020/1020D/1021L 1020H/1020D/1021L	4	4	General Chemistry I & II
Education (EDUC) 1000	0	0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet./Comp & Lit
History 1030-1040	3	3	World Civilizations
Philosophy	3	0	Core Requirement
Physical Education	0	1	Core Requirement
Speech Communication 1010	0	3	Fundamentals of Public Speaking
	17	18	

#### SOPHOMORE YEAR

Biology 2000/2000L	4	0	Biodiversity
Biology 2010/2010L	0	4	Microbiology
Education (EDUC) 2044	0	3	Class. Org. & Management
Education (EDUC) 2005R	0	0	Praxis PPST Reading
Education (EDUC) 2005W	0	0	Praxis PPST Writing
Education (EDUC) 2005M	0	0	Praxis PPST Math
African American Studies	0	3	Core Requirement
Chemistry 2210/2210D/2230L	4	0	Organic Chemistry I
English 2010	3	0	World Literature I
Mathematics 1030	4	0	Pre calculus
Mathematics 1020	0	3	Basic Statistics I
Social Sciences	3	0	Core Requirement
Theology	0	3	Core Requirement
Free Electives	0	2	
	18	18	

### 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.**

Biology 3110/3110L	4	4	Genetics
Biology Electives		4	
Biology 4210		1	Introduction to Scientific Lit.
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDSP) 2040	3		Intro. to Exceptional Children
Education (EDSC) 3023	3		Methods of Teaching Science
Education (EDSC) 3023B		3	Meth. For Preservice Biol. Teachers
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
Physics 2010/2010L- 2020/2020L	4	4	General Physics I & II
Theology		3	Core Requirement
	17	18	

### SUMMER

Philosophy	3	3	Core Requirement
Theology		3	Core Requirement
	3	6	

### SENIOR YEAR

Biology 4550	3	3	Advanced Reading in Biology
Biology Electives	5		Elective
Education (EDUC) 4005B	0		Praxis II: Biology
Education (EDSC) 4061T		9	Student Teaching
Education (EDSC) 4060S		0	Student Teaching Seminar
Education (EDSC) 4150	3		Teaching Reading in Content Area
Education (EDSC) 4200		3	Multicultural Education
Integrated Physical Science 2020	3		Earth Science
Fine Arts	3		Core Requirement
Free Elective	1		Core Requirement
	18	12	

### SUMMARY

	Semester Hours	Semester Hours	Semester Hours
African American Studies	3	Integrated Physical Science*	3
Biology	36	Mathematics	7
Chemistry*	12	Philosophy	6
Education	33	Physics*	8
English	9	Social Sciences	3
Fine Arts	3	Speech Communication	3
Physical Education	1	Theology	6
History	6	Free Electives	3
		Total Semester Hours	142

\*These hours are to be used to fulfill the requirement for General Science, the secondary teaching area.

## **DIVISION OF BUSINESS**

The Division of Business has the overall goal of enabling students to integrate the knowledge from various disciplines in order that they may make significant contributions in the business profession and eventually, assume leadership roles in society. This overall goal includes the following sub-goals: 1) enabling students to understand and apply the basic concepts in business; 2) enabling students to interpret and analyze business data scientifically to enhance their ability to make complex business decisions; 3) equipping students with the managerial skills that require knowledge of computer applications in business; and 4) preparing students with the necessary tools to succeed in business careers as well as in graduate and professional schools.

The division is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). The accreditation certifies that the teaching and learning process 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 business education programs, teaching of business courses, and student learning outcomes.

The division's objectives are attained through the university core curriculum, the business core program plus 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 for all Accounting courses (designated as ACCT). Students majoring in Business must earn a grade of "C" or better for all courses in the respective concentration (See Concentration Requirements in the Program in Business).

Further, all divisional majors must earn a grade of "C" or better in English 1010-1020 and in Mathematics 1030. All divisional majors must earn a cumulative average of 2.0 in their divisional courses.

Majors are required to pass a comprehensive examination in their representative programs for graduation.

As of January of 1997, 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.

**Senior Comprehensive Examination** - In their senior year, all majors in the Business Division 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 (for Business-Sales & Marketing). There are two parts to the senior comprehensive exam: (1) the ETS major field test and (2) the Concentration. Part 1 is a two-hour objective test produced by the Educational Testing Service. Part 2 is a division produced two-hour test that assesses the students' skills in their specific concentration. Students who do not successfully complete either part of the examination after a re-take must re-register for the exam in the subsequent semester.

**Xavier-Tulane Joint MBA & Graduate Programs** – The Division of Business has three joint programs with Tulane University's Freeman School of Business. These programs are the: 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 be provided assistance with tuition. 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 the Chair of the Business Division for further details.

The Division of Business offers the following minors for students in other departments:

**Minor in Accounting** – The minor in accounting consists of 18 hours of course-work with six semester hours of accounting electives selected from 3000- or 4000-level courses. The following courses are required:

Accounting 1010-1020	6	Principles of Accounting I and II
Accounting 2010-2020	6	Intermediate Accounting I and II
Accounting Electives	6	
	<u>18</u>	

**Minor in Business Administration** – The minor in business administration consists of 18 hours of course-work with six semester hours of business electives selected from 3000- or 4000-level courses with the proper prerequisites or from ACCT 1020, 2010, 2020, 2030, or 2040. The following courses are required:

Accounting 1030	3	Survey of Accounting
Management 2060	3	Principles of Management
Sales and Marketing 2050	3	Principles of Marketing
Economics 2010 or 2020	3	Prin. of Micro/Macro Economics
Business Electives	6	
	<u>18</u>	

**Minor in Economics** – The minor in economics consists of the following 18 hours of course-work:

Economics 2010-2020	6	Micro/Macro Principles
Economics 3110-3120	6	Intermediate Micro/Macro
Economics 3010	3	Money and Banking
Economics 3200	3	Managerial Economics
	<u>18</u>	

**Minor in Entrepreneurship** – The minor in entrepreneurship/intrapreneurship is designed for any major on campus and consists of the following 18 hours of coursework:

Entrepreneurship 1020	3	Intro to Entrepreneurship/Intrapreneurship
Entrepreneurship 1030	3	Survey of Accounting
Entrepreneurship 2060	3	Principles of Management
Entrepreneurship 2050	3	Principles of Marketing
Entrepreneurship 3021	3	Financial Mgt for Entrepreneurs
Entrepreneurship 3780	3	Org & Opr of a Small Business
	<u>18</u>	

**Minor in Sales and Marketing** – The minor in sales and marketing consist of 18 hours of course-work with three hours selected from any of the following courses: SMKT 3060 - Marketing Decisions, SMKT 3350 - Marketing Research, SMKT 3550 - Consumer Behavior, SMKT 3600 - Promotional Strategy. The following courses are required:

Accounting 1030	3	Survey of Accounting
Sales and Marketing 2050	3	Principles of Marketing
Sales and Marketing 3090	3	Customer Relationship Management
Sales and Marketing 3500	3	Personal Selling
Sales and Marketing 3530	3	Sales Force Management
Sales and Marketing Elective	3	
	<u>18</u>	

## COMMON FRESHMAN PROGRAM

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Accounting 1010-1020*	3	3	Principles of Accounting I & II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1030	4		Precalculus
Social Science**	3		Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
Philosophy		3	Core Requirement
Physical Education		1	Activity Course or Test
	<u>16</u>	<u>16</u>	

\*Students may NOT enroll in Accounting 1010 until all required remedial courses in mathematics and reading have been successfully completed.

\*\*Chosen from Psychology 1010, Political Science 1010, 1020 or Sociology 1010.

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.

## PROGRAM IN ACCOUNTING

### SOPHOMORE YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Accounting 2010-2020	3	3	Intermediate Accounting I & II
Business Administration 2011		3	Org. Communication
Economics 2010-2020	3	3	Micro/Macro Principles
Economics 2070-2080	3	3	Statistics I and II
Management 2060	3		Principles of Management
Sales and Marketing 2050		3	Principles of Marketing
English 2010	3		World Literature I
Theology		3	Core Requirement
	15	18	

### JUNIOR YEAR

Accounting 3010	3		Advanced Accounting
Accounting 3070	3		Elementary Cost Accounting
Accounting 3090		3	Governmental Accounting
Accounting Elective***		3	
Business Administration 3055	3		Quantitative Analysis
Business Administration 3030		3	Business Law
Business Administration 3195		3	Computer Information Systems
Business Administration 3200	3		International Business
Finance 3050	3		Corporate Finance
Foreign Language or Natural Science****	3	3	Core Requirement
	18	15	

\*\*\* Accounting majors may NOT use ACCT 2050 for Accounting Electives.

\*\*\*\* Students must complete a six (6) semester hour sequence in a Foreign Language or a Natural Science.

### SENIOR YEAR

Accounting 3030	3		Tax Accounting
Accounting 3040		3	Auditing
Accounting 4000		3	Seminar
Accounting 4999		0	Senior Comprehensives
Business Administration 4000		3	Business Policy
African American Studies	3		Core Requirement
Fine Arts	3		Core Requirement
Philosophy 2410	3		Business Ethics
Theology		3	Core Requirement
Free Electives	3	3	
	15	15	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Mathematics	4
Accounting*	33	Philosophy	6
Business Administration	18	Physical Education	1
Economics	12	Sales and Marketing	3
English	9	Social Science***	3
Finance	3	Speech Communication	3
Fine Arts	3	Theology	6
History	6	Free Electives	6
Foreign Language or Natural Science**	6	Total Semester Hours	128
Management	3		

\* Accounting majors may NOT use ACCT 2050 for Accounting Electives.

\*\* Students must complete a six (6) semester hour sequence in a Foreign Language or a Natural Science.

\*\*\*Chosen from Psychology 1010, Political Science 1010, 1020 or Sociology 1010.

## PROGRAM IN BUSINESS with concentration in FINANCE, MANAGEMENT, OR SALES AND MARKETING

### Concentration Requirements

**FINANCE:** ACCT 2010, 2020, ECON/FINC 3010, 3060, and twelve (12) semester hours of approved Finance electives with advisor's approval. A *minimum grade of "C"* must be earned in FINC 3050.

**MANAGEMENT:** MGT 3120, 3140, 3160, 3170, 3190, 4010S and six (6) semester hours of approved Management electives with advisor's approval. A *minimum grade of "C"* must be earned in MGT 2060.

**SALES AND MARKETING:** SMKT 3060, 3350, 3500, 3530, 3550, 3700, 4000, and (3) semester hours of approved Marketing electives. A *minimum grade of "C"* must be earned in SMKT 2050.

### SOPHOMORE YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Accounting 2050	3		Managerial Accounting
Business Administration 2011		3	Org. Communication
Economics 2010-2020	3	3	Micro/Macro Principles
Economics 2070-2080	3	3	Statistics I & II
Management 2060	3		Principles of Management
Sales and Marketing 2050		3	Principles of Marketing
English 2010	3		World Literature I
Theology		3	Core Requirement
	15	15	

**JUNIOR YEAR**

Business Administration 3055	3		Quantitative Analysis
Business Administration 3035	3		Legal Aspects of Business
Finance 3050		3	Corporate Finance
Business Administration 3195		3	Computer Information Systems
Business Administration 3200	3		International Business
Concentration Requirements	6	6	
Fine Arts		3	Core Requirement
Foreign Language or Natural Science*	3	3	Core Requirement
	<u>18</u>	<u>18</u>	

\* Students must complete a six (6) semester hour sequence in a Foreign Language or a Natural Science.

**SENIOR YEAR**

Business Administration 4000		3	Business Policy
Business Administration 4999		0	Senior Comprehensives
Concentration Requirements	6	6	
African American Studies	3		Core Requirement
Philosophy 2410	3		Business Ethics
Theology		3	Core Requirement
Free Electives	3	3	
	<u>15</u>	<u>15</u>	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	History	6
Accounting	12	Management	3
Business Administration	18	Mathematics	4
Concentration	24	Philosophy	6
Economics	12	Physical Education	1
English	9	Sales and Marketing	3
Finance	3	Social Science	3
Fine Arts	3	Speech Communication	3
Foreign Language or Natural Science*	6	Theology	<u>6</u>
		Free Electives	6
			128

\* Students must complete a six (6) semester hour sequence in a Foreign Language or a Natural Science.

## **DEPARTMENT OF CHEMISTRY**

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 six degree programs leading to the Bachelor of Science degree. These are the Chemistry (A.C.S. Certified) program, the Chemistry track, the Chemistry (Preprofessional) program, the Chemistry (Prepharmacy) program, the Biochemistry program, and the Science Education (Chemistry) program. All of these programs provide the basic grounding in physical, organic, inorganic, analytical, and biochemistry necessary for any overall understanding of the subject. 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 Chemistry program is a more flexible program. Unlike the other Chemistry programs, it does not require the student to 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 they wish 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. Students with career goals aligned with the Department's other programs usually are best served following those programs. It is very important for students following the Chemistry program to plan the program in close consultation with their academic advisor.

The objective of the Chemistry (Preprofessional) 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 carefully chosen to give the graduates of this program the greatest chance of success in their chosen professional field. Students following this course of study have the option of choosing an accelerated program if they seek early admission to professional school. Courses taken in the first year of professional school substitute for courses ordinarily taken in the senior year.

The Chemistry (Prepharmacy) program is designed to prepare students for success in pharmacy school. Students wishing to pursue a Doctor of Pharmacy (PharmD) degree through Xavier's College of Pharmacy must complete 66 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. 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.

The Biochemistry program prepares students for graduate study and careers in this fast-moving and exciting area of science. This program requires a double concentration in Mathematics and Biology.

The department also offers a program in Science Education – Chemistry jointly with the Division of Education. 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 high school level.

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.

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.

**Admitting Students Changing Majors/Readmitted Students** -- A student having a cumulative and Chemistry GPA of 2.5 or above will be admitted into the department by the chairperson. A student having a cumulative and Chemistry GPA of 2.0 or below will not be considered for admission into the department. Any students with GPA's not in the categories listed above will have their records reviewed by the Department's Academic Standing 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 credits must be earned at Xavier.

**Minor in Chemistry** -- Students in other majors who wish to minor in Chemistry must complete General Chemistry (CHEM 1010/1010D/1011L and CHEM 1020/1020D/1021L), Organic Chemistry (CHEM 2210/2210D/2230L and CHEM 2220/2220D/2240L), and at least two additional semester hours of Chemistry courses at the 3000 level or higher.

## PROGRAM IN CHEMISTRY (A.C.S. Certified)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
Mathematics 1030-1070	4	4	Precalculus/Calculus I
Speech Communication 1010	3		Fundamentals of Public Speaking
Free elective		3	
	17	17	

**SOPHOMORE YEAR**

Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I – II
African American Studies		3	Core Requirement
Mathematics 2030		3	Linear Algebra
Mathematics 2070-2080	4	4	Calculus II – III
Physical Education	1		Activity Course or Test
Physics 2010/2010L - 2020/2020L	4	4	General Physics I – II
Social Sciences	3		Core Requirement
	<u>16</u>	<u>18</u>	

**JUNIOR YEAR**

Chemistry 3030/3030L		4	Physical Chemistry I and Lab
Chemistry 3210/3210L	4		Quantitative Analysis and Lab
Chemistry 4080		0	Introduction to Research
Chemistry 4130		3	Introduction to Biochemistry
Mathematics 2530	3		Differential Equations
English 2010	3		World Literature I
History 1030-1040	3	3	World Civilizations
Philosophy		3	Core Requirement
Theology	3		Core Requirement
Free Elective(s)		2	
	<u>16</u>	<u>15</u>	

**SENIOR YEAR**

Chemistry 3040	3		Physical Chemistry II
Chemistry 3040L	1		Adv. Physical Chemistry Lab
Chemistry 4010-4011	3	3	Advanced Inorganic Chem. I - II
Chemistry 4310L		2	Advanced Synthesis Lab
Chemistry 4240/4240L	4		Instrumental Analysis and Lab
Chemistry 4083	3		Undergraduate Research
Chemistry 4999	0		Senior Comprehensives
Chemistry Elective		3	
Fine Arts		3	Core Requirement
Philosophy 3250		3	Phil. of Science
Social Sciences		3	Core Requirement
Theology	3		Core Requirement
	<u>17</u>	<u>17</u>	

**SUMMARY**

African American Studies	3	Philosophy	6
Chemistry	49	Physical Education	1
English	9	Physics	8
Fine Arts	3	Social Sciences	6
Foreign Language	6	Speech Communication	3
History	6	Theology	6
Mathematics	22	Free Electives	5
		Total Semester Hours	<u>133</u>

## PROGRAM IN CHEMISTRY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II
Mathematics 1030-1070	4	4	Precalculus/Calculus I
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Speech Communication 1010	3	3	Fundamentals of Public Speaking
Foreign Language	3	3	Core Requirement
Physical Education	1	3	Activity Course or Test
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>	
	15	17	

### SOPHOMORE YEAR

Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I – II
African American Studies		3	Core Requirement
Physics 2010/2010L - 2020/2020L	4	4	General Physics I – II
Theology	3	3	Core Requirement
Minor or Free Electives	4	3	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>	
	15	17	

### JUNIOR YEAR

Chemistry 3010 (or 3030*)		3	P. Chem. For Lf Sc. (or P Chem. I)
Chemistry 3030L		1	Physical Chemistry Lab
Chemistry 3210/3210L	4		Quantitative Analysis & Lab
Chemistry 3220L		2	Molecular Structure and Organic Synthesis
English 2010	3		World Literature I
History 1030-1040	3	3	World Civilizations
Social Sciences	3		Core Requirement
Philosophy		3	Core Requirement
Minor or Free Electives	4	4	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>	
	17	16	

### SENIOR YEAR

Chemistry 4130/4130L	4		Intro. to Biochemistry
Advanced Chemistry Electives	3	2	
Chemistry 4999	0		Senior Comprehensives
Fine Arts		3	Core Requirement
Social Sciences		3	Core Requirement
Philosophy	3		Core Requirement
Minor or Free Electives	6	7	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>	
	17	15	

### SUMMARY

Semester Hours		Semester Hours	
African American Studies	3	Physical Education	1
Chemistry	35	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Minor	18
Mathematics	8	Free Electives	10
Philosophy	6	Total Semester Hours	<hr style="width: 50%; margin-left: 0;"/>
			128

\*Students choosing to take Chemistry 3030 must take the prerequisite Mathematics 2070, and should take Chemistry 3040 as one of their Advanced Chemistry Electives.

## PROGRAM IN CHEMISTRY (PREPROFESSIONAL)

(For students in Pre-medicine, Pre-dentistry, and Pre-optometry.)  
 (Pre-veterinary medicine students take this program with minor substitutions.)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I - II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
Mathematics 1030-1070	4	4	Precalculus/Calculus I
Physical Education	1		Activity Course or Test
Speech Communication 1010		3	Fundamentals of Public Speaking
	15	17	

### SOPHOMORE YEAR

Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I - II
African American Studies		3	Core Requirement
Biology 1230/1230L - 1240/1240L	4	4	General Biology I - II
Physics 2010/2010L - 2020/2020L	4	4	General Physics I - II
Theology	3	3	Core Requirement
	15	18	

### JUNIOR YEAR

Chemistry 3010/3030L	4	4	P. Chem. for Life Sci. & Lab
Chemistry 3210/3210L			Quant. Analysis & Lab
Chemistry 3220L		2	Molecular Structure and Organic Synthesis
Biology Electives*	4	4	
English 2010	3		World Literature I
History 1030-1040	3	3	World Civilizations
Philosophy**		3	Core Requirement
Social Sciences	3		Core Requirement
	17	16	

### SENIOR YEAR

Chemistry 4130/4130L	4		Introduction to Biochemistry
Chemistry 4140		3	Metabolism
Advanced Chemistry Elective		2/3	
Chemistry 4999	0		Senior Comprehensives
Biology Electives*	3	3	
Fine Arts		3	Core Requirement
Philosophy**	3		Core Requirement
Social Sciences	3		Core Requirement
Free Electives	3	5	
	16	16/17	

### SUMMARY

Semester Hours		Semester Hours	
African American Studies	3	Philosophy	6
Biology	22	Physical Education	1
Chemistry	35/36	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	8
Mathematics	8	Total Semester Hours	130/131

\* 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 3350/3350L (Anatomy and Physiology); BIOL 3160/3160L (Embryology), BIOL 4111/4111L (Histology); BIOL 4091/4091L (Comparative Vertebrate Anatomy).

**Group B:** BIOL 2010/2010L (Microbiology), BIOL 3070/3070L (Immunology), BIOL 3091/3091L (Cell Biology), BIOL 3110/3110L (Genetics), BIOL 3250 (Microbial Physiology) BIOL 4250/4250L (Molecular Genetics).

\*\* Philosophy 2400 is recommended for students planning a career in the health professions; Philosophy 3250 is recommended for those planning a career in research.

## ACCELERATED 3 + 1 PROGRAM IN CHEMISTRY (PREPROFESSIONAL)

This program may be followed by qualified students who would like to seek admission into a professional school at the end of their junior year. These students may substitute equivalent courses from their professional school for those required in the senior year at Xavier and be eligible to receive the B.S. degree from Xavier at the end of four years.

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I - II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
Mathematics 1030-1070	4	4	Precalculus/Calculus I
Speech Communication 1010	3		Fundamentals of Public Speaking
Theology		3	Core Requirement
	17	17	

### SOPHOMORE YEAR

Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I - II
African American Studies		3	Core Requirement
Biology 1230/1230L - 1240/1240L	4	4	General Biology I - II
Philosophy		3	Core Requirement
Physical Education	1		Activity Course or Test
Physics 2010/2010L - 2020/2020L	4	4	General Physics I - II
Theology		3	Core Requirement
	16	18	

### JUNIOR YEAR

Chemistry 3010/3030L		4	P. Chem. for Life Sci. & Lab
Chemistry 3210/3210L	4		Quant. Analysis & Lab
Chemistry 3220L		2	Molecular Structure and Organic Synthesis
Advanced Chemistry Elective(s)	0/1	2	2000 level or higher
Chemistry 4999		0	Senior Comprehensives
Biology Electives	4	4	(One from each of groups A & B See regular program.)
English 2010	3		World Literature I
Fine Arts		3	Core Requirement
History 1030-1040	3	3	World Civilizations
Philosophy	3		Core Requirement
	17/18	18	

### Credits Accepted from Professional School:

Advanced Biology	8	Biochemistry	7
Social Sciences (core req.)	6	Free electives	8

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Biology	24	Physical Education	1
Chemistry	35/36	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	8
Mathematics	8	Total Semester Hours	132/133

## PROGRAM IN BIOCHEMISTRY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I - II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
Mathematics 1030-1070	4	4	Precalculus/Calculus I
Speech Communication 1010		3	Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	15	17	

### SOPHOMORE YEAR

Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I - II
Biology 1230/1230L - 1240/1240L	4	4	General Biology I - II
History 1030-1040	3	3	World Civilizations
Physics 2010/2010L - 2020/2020L	4	4	General Physics I - II
Theology	3	3	Core Requirement
	18	18	

<b>JUNIOR YEAR</b>		
Chemistry 3210/3210L	4	Quant. Analysis & Lab
Chemistry 4080	0	Introduction to Research
Chemistry 3030	3	Physical Chemistry I
Chemistry 4083	3	Undergraduate Research
Chemistry 4130/4130L	4	Introduction to Biochemistry
African American Studies	3	Core Requirement
Biology 2010/2010L	4	Microbiology
English 2010	3	World Literature I
Fine Arts	3	Core Requirement
Mathematics 2070	4	Calculus II
Philosophy	3	Core Requirement
	<hr/> 18	<hr/> 16

<b>SENIOR YEAR</b>		
Chemistry 3030L	1	Physical Chemistry Lab
Chemistry/Biology*	3	Biochemistry Elective*
Chemistry 4140	3	Metabolism
Chemistry 4150/4150L	3	Genomics and Proteomics
Chemistry 4160/4160L	3	Enzymology
Chemistry/Biology*	4	Biochemistry Elective*
Chemistry 4999	0	Senior Comprehensives
Philosophy	3	Core Requirement
Social Sciences	3	Core Requirement
Free Electives	5	
	<hr/> 17	<hr/> 14

<b>SUMMARY</b>			
	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Philosophy	6
Biology	12-19	Physical Education	1
Chemistry	40-47	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	5
Mathematics	12	Total Semester Hours	<hr/> 133

\*The choice of biochemistry electives must come from the following classes: BIOL 3091/L (Cell Biology), BIOL 3110/L (Genetics), CHEM 4240/L (Instrumental Analysis), CHEM 4010 (Advanced Inorganic), CHEM 3040/L (Physical Chemistry II). At least one of these electives must be taken with the corresponding lab.

## **PROGRAM IN CHEMISTRY (PREPHARMACY)**

### **FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
*Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II & Lab
*Biology 1230/1230L	3	4	General Biology I & Lab
*English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
*Mathematics 1030-1070	4	4	Precalculus/Calculus I
*Psychology or Sociology 1010	3	3	Intro. to Psychology or Sociology
*Speech Communication 1010	3	3	Fundamentals of Public Speaking
	<hr/> 14	<hr/> 18	

### SOPHOMORE YEAR

*Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I – II
*Biology 1240/1240L	4		General Biology II & Lab
*Biology 2010		3	Microbiology
*Economics 1030	3		Introduction to Economics
*Philosophy	3		Philosophy Requirement
*Philosophy 2400		3	Health Ethics
*Physics 2010/2010L		4	General Physics I & Lab
*Theology		3	Theology Requirement
*Free Elective <sup>#</sup>	3		
	<hr/>	<hr/>	
	17	17	

### JUNIOR YEAR

Chemistry 3010		3	Physical Chemistry for Life Sciences
Chemistry 3030L		1	Physical Chemistry Lab
Chemistry 3210/3210L	4		Quantitative Analysis & Lab
Advanced Chemistry Elective		2	
English 2010	3		World Literature I
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Physics 2020/2020L	4		General Physics II & Lab
Theology (upper level)		3	Core Requirement
	<hr/>	<hr/>	
	17	15	

### SENIOR YEAR

Chemistry 4130/4130L	4		Intro. to Biochemistry & Lab
Advanced Chemistry Electives	3	3	
Chemistry 4999	0		Senior Comprehensives
Biology Electives	4	3	Minor
African American Studies	3		Core Requirement
Fine Arts		3	Core Requirement
Physical Education	1		Activity Course or Test
Free Electives		6	
	<hr/>	<hr/>	
	15	15	

\*Courses that must be completed prior to entering the PharmD Program

<sup>#</sup>Cannot be Science, Math, Pharmacy, or PE

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Biology (minor)	18	Physical Education	1
Chemistry	36	Physics	8
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	9
Mathematics	8	Total Semester Hours	<hr/>
			128

### SUMMARY OF PREREQUISITES FOR DOCTOR OF PHARMACY PROGRAM

	Semester Hours		Semester Hours
Biology	11	Physics	4
Chemistry	16	Social Sciences	6
English	6	Speech Communication	3
Mathematics	8	Theology	3
Philosophy	6	Free Electives	3
		Total Semester Hours	<hr/>
			66

### Program in Engineering

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 Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

## PROGRAM: DUAL DEGREE CHEMICAL ENGINEERING

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Physics 1121		4	General Physics with Calculus
Engineering 1061		3	Engineering Graphics
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics 1070-2070	4	4	Intro. Calculus, Calculus II
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	<u>15</u>	<u>18</u>	

### SOPHOMORE YEAR

Physics 2111/2121	4	4	General Physics with Calculus
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry
History 1030-1040	3	3	World Civilizations
Mathematics 2080/2030	4	3	Calculus III/Linear Algebra
Social Science or Foreign Language	3	3	Core Requirement
	<u>18</u>	<u>17</u>	

### JUNIOR YEAR

Engineering 2210	3		Mech. Statics
Physics 3510S or 3520S	1		Seminar
Chemistry 3030		3	Physical Chemistry
Chemistry 3210/3210L	4		Quantitative Analysis & Lab
Computer Science 1760		3	Introduction to C Programming
English 2010	3		World Literature I
Fine Arts		3	Core Requirement
Mathematics 2530		3	Differential Equations
Philosophy 2040/xxxx	3	3	Logic/Philosophy Core Req.
Theology	3	3	Core Requirement
	<u>17</u>	<u>18</u>	

### SUMMARY

	Semester Hours		Semester Hours
Chemistry	23	History	6
Computer Science	3	Mathematics	18
Engineering	6	Philosophy	6
English	9	Physics	13
Fine Arts	3	Physical Education	1
Foreign Language or Social Sciences	6	Speech Communication	3
		Theology	6
		Total Semester Hours	103

**Note: Chemical Engineering students who wish to receive a B.A. or a B.S. degree in Physics, or a B.S. degree in Chemistry, ACS Certified, from Xavier University of LA must satisfy the following requirements in addition to the above:**

#### **B. A. Degree in Physics**

Physics 3050 or Chemistry 3040	3
Courses taken in Engineering School	28
Total hours	31

#### **B. S. Degree in Physics**

Physics 3030-3040	6
Physics 3050	3
Physics 4050 or Chemistry 3040	3
Courses taken in Engineering School	19
Total hours	31

#### **B. S. Degree in Chemistry (ACS Certified)**

Chemistry 3030L	1
Chemistry 3040/3040L	4
Chemistry 4010/4011	6
Chemistry 4130	3
Chemistry 4240/4240L	4
Chemistry 4083	3
Chemistry 4310L	2
Chemistry 4999	0
Chemistry Elective	3
Free Electives – Transferred from Engineering School	6
Total hours	32

## PROGRAM IN CHEMISTRY EDUCATION (GRADES 6-12) (Certification – Chemistry)

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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Chemistry 1010/1010D/1011L 1020/1020D/1021L	4	4	General Chemistry I & II
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet./Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1030-1070	4	4	Pre Cal/Intro Calculus
Speech Communication 1010		3	Fundamentals of Public Speaking
Theology	3		Core Requirement
	17	18	

### SOPHOMORE YEAR

Chemistry 2210/2210D/2230L- 2220/2220D/2240L	4	4	Organic Chemistry I & II
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2044		3	Classroom Org. & Management
Biology 1230/1230L- 1240/1240L	4	4	General Biology I & II & Lab
English 2010	3		World Literature
Philosophy		3	Core Requirement
Physics 2010/2010L – 2020/2020L	4	4	General Physics I & II & Lab
Social Sciences	3		Core Requirement
	18	18	

### 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.

Chemistry 3010		3	P. Chem. for the Life Sciences
Chemistry 3210/3210L	4		Quant. Analysis & Lab
Chemistry 3220L		2	Qual. Organic Analysis
Education (EDSP) 2040	3		Exceptional Children
Education (EDSC) 3023	3		Methods of Teaching Science
Education (EDSC) 3023C		3	Meth. for Preservice Chem. Teachers
Education (EDUC) 3005L		0	Praxis II: Princ. of Learn. & Teach.
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
Integrated Physical Science 4010		3	Advanced Earth Science
Philosophy 3250	3		Philosophy of Science
Physical Education	1		Core Requirement
Theology		3	Core Requirement
	17	17	

**SENIOR YEAR**

Chemistry 4130	3	Introduction to Biochemistry
Chemistry 4073*	3	Chemistry Literature Research
Chemistry 4999	0	0 Senior Comprehensives
Education (EDUC) 4005C	0	Praxis II: Chem., Phys., Gen. Sci.
Education (EDSC) 4061T	9	Student Teaching
Education (EDUC) 4060S	0	Student Teaching Seminar
Education (EDSC) 4150	3	Teaching Reading in Content Area
Education (EDUC) 4200	3	Multicultural Education
African American Studies	3	Core Requirement
Fine Arts	3	Core Requirement
Free Electives	3	Core Requirement
	<hr/>	
	18	12

\*CHEM 4083, Undergraduate Research may be substituted with permission of the course instructor.

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Mathematics	8
Biology	8	Philosophy	6
Chemistry	31	Physical Education	1
Education	33	Physics	8
English	9	Social Sciences	3
Fine Arts	3	Speech Communication	3
History	6	Theology	6
Integrated Physical Science	3	Free Electives	3
		Total Semester Hours	<hr/>
			134

## DEPARTMENT OF COMMUNICATIONS

The Communications Department focuses on the study of human communication through three separate, distinct, yet related disciplines: Mass Communication, Speech Communication, and Speech Pathology/Audiology. While each discipline has its own programmatic goals, the Department has established a common mission which is to:

- a. increase students' proficiency in communication;
- b. increase students' theoretical and practical knowledge of human communication;
- c. assist students in becoming effective and ethical communicators in a diverse, global society;
- d. increase students' problem solving and critical thinking skills; and
- e. prepare students for success in graduate school or in their chosen career paths.

The Department of Communications offers degrees in Mass Communication, and Speech Pathology/Audiology. In addition, the department offers minors in Speech Communication as well as Speech Pathology and Mass Communication. The department houses the university newspaper, the Xavier Herald; the university television production organization, XTV; X Radio Station; the Xavier Forensics Team; the Speech and Hearing Center; and the Speech Lab.

The department offers SPCM 1010 (Fundamentals of Public Speaking), which is required of all students. It is a performance based course that requires students to present several speeches and emphasizes preparation, organization, delivery and the development of poise and confidence. Occasionally, on the recommendation of the instructor, a student having difficulty with any of the above mentioned areas may be required to attend the Speech Lab for individualized assistance.

The Speech Lab provides assistance for students who may have difficulty with oral communication skills and either self refer or have been referred by a faculty member.

Two departmental offerings, MSCM 2850 (Appreciation and History of Film) and SPCM 2400 (The Theatre), fulfill the Art/Music/Drama/Film (Fine Arts) requirement of the core curriculum.

The Xavier Herald, XTV, X Radio, and the Forensics Team are open to participation to all Xavier students. They provide students with opportunities to strengthen leadership, writing and speaking skills outside of the classroom. Practicum classes are available for academic credit for majors and non-majors in all areas.

The Speech and Hearing Clinic provides both evaluations and treatment for all types of communication disorders to students, faculty, staff and local residents.

Majors are required to pass a comprehensive examination and are expected to attend all departmental meetings. In order for a departmental offering to be counted for degree credit, a student must earn a grade of "C" or better. Any student who has to repeat more than two major required courses because of a grade of "D" or "F" will be advised to change his/her major.

**Minor in Mass Communication** -- This program consists of 18 hours of course work including:

- MSCM 1100 (Introduction to Mass Communication -- 3 sh)
- MSCM 1200 (Principles of Visual Media -- 3 sh)
- MSCM 2500 (Writing for Radio/TV -- 3 sh), OR  
MSCM 2222 (Writing for the Print Media -- 3 sh), and
- Nine hours of electives can be chosen from any MSCM courses.

**Minor in Speech Communication** -- This program consists of 18 hours of course work in Speech Communication, including the following 12 hours:

- SPCM 2180 (Advanced Public Speaking)
- SPCM 2070 (Interpersonal Communication)
- SPCM 2500 (Intercultural Communication)
- SPCM 3040 (Small Group Communication)
- Six additional semester hours may be chosen from any of the courses offered in Speech Communication, Mass Communication, and Speech Pathology, with exception of SPCM 1010 or 1011H.

**Minor in Speech Pathology/Audiology** -- This program consists of 19 Semester Hours in Speech Pathology/Audiology of which the following are required:

- SPTH 1320 Introduction to Communication Disorders
- SPTH 2310 Phonetics
- SPTH/BIOL 2340 Anatomy and Physiology of the Speech and Hearing Mechanism
- Nine hours must be taken from any of the other courses offered in speech pathology/audiology with the exception of the clinical practicum courses. Students minoring in SP/A are not eligible for the practicum courses.

### **PROGRAM IN MASS COMMUNICATION**

The mass communication major offers students a wide liberal arts background and a core of communications courses that prepare students for either graduate school or entry level positions in the media industry. Mass Communication majors follow a curriculum designed to allow students to concentrate in one of three areas of mass communication: print journalism, broadcasting or public relations.

In addition to satisfying the goals of the core curriculum, the mass communication program is designed to:

- a. prepare students for entry-level positions in media industries and media-based positions in other industries and areas of employment;
- b. prepare students to pursue advanced degrees in communications fields, and to qualify for entry into certain professional schools;
- c. develop students who have the flexibility and adaptability to compete in a changing job market; and,
- d. develop students who demonstrate responsible, ethical attitudes toward the role of media and toward media professions.

Students primarily interested in broadcasting may prepare video projects in the department's television studio for cablecast over XTV and become members of X Radio. Those who wish to pursue careers in print media can earn valuable experience on the Xavier Herald, the only student newspaper from a Historically Black College that is a member of the Associated Collegiate Press Hall of Fame. Students interested in public relations or a related career can edit, design and write for The Communicator. Students also have the opportunity to complete internships at media outlets such as a radio or television station, newspaper, magazine, or an advertising or public relations agency. Students are expected to compile a portfolio for use in their job search following graduation.

### **CONCENTRATIONS IN MASS COMMUNICATION**

Mass Communication majors take four Mass Communication core courses in the curriculum 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: print, broadcasting or public relations. Students will follow the program for their area of concentration until they complete the major.

## PROGRAM IN MASS COMMUNICATION – BROADCASTING

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Mass Communication 1100	3		Intro. to Mass Communication
Mass Communication 1200		3	Principles of Visual Media
Speech Communication 1010	3		Fundamentals of Public Speaking
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1010		3	Modern Math
Social Science		3	Core Requirement
Natural Science	3		Core Requirement
Physical Education	1		Activity Course or Test
	16	15	

### SOPHOMORE YEAR

Mass Communication 2222	3		Writing for Print Media
Mass Communication 2500		3	Writing for Radio/TV
Speech Communication Elective	3		Speech Communication Elective
English 2010	3		World Literature
Fine Arts	3		Core Requirement
Foreign Language	3	3	Core Requirement
Philosophy		3	Core Requirement
Theology	3	3	Core Requirement
Minor		3	
	18	15	

### JUNIOR YEAR

Mass Communication 3190	3		Fundamentals of TV Production
Mass Communication 2530 or 2950		3	Fundamentals Of Audio Prod. or Announcing
Mass Communication 3210		3	TV News Gthrng & Rptng
Mass Communication 3600	3		Intro. to Mass Comm. Research
Speech Communication 3040	3		Small Group Communication
African American Studies		3	Core Requirement
Natural Science		3	Core Requirement
Social Sciences		3	Core Requirement
Minor	6		
Free electives		3	
	15	18	

### SENIOR YEAR

Mass Communication 3500	3		Media Criticism
Mass Communication 4430		3	Media Law and Ethics
Mass Communication 4010 or 4020		3	Producing TV Newscasts or TV Program Production
Mass Communication**	3		Internship or Practicum**
Mass Communication Elective*		3	See Below*
Mass Communication 4999		0	Senior Comprehensives
Philosophy	3		Core Requirement
Minor	3	6	
Free Electives	3	2	
	15	17	

\* To complete this requirement, students may choose one of the following: MSCM 2580, MSCM 3101, MSCM 3650, MSCM 3831, MSCM 4131, 4132, 4133, MSCM 4400, or MSCM 4520.

\*\*To complete this requirement, students may choose one of the following: Internship (MSCM 4410), 3 semester hours of P.R. Practicum (MSCM 2007, 3007, 4007), 3 semester hours of Newspaper Practicum (MSCM 2008, 3008, 4008), or 3 semester hours of Broadcast Practicum (MSCM 2009, 3009, 4009).

**SUMMARY**

<b>Semester Hours</b>		<b>Semester Hours</b>	
African American Studies	3	Philosophy	6
English	9	Physical Education	1
Fine Arts	3	Social Sciences	6
Foreign Language	6	Speech Communication	9
History	6	Theology	6
Mass Communication	39	Free Electives	8
Mathematics	3	Minor	18
Natural Sciences	6	Total Semester Hours	<u>129</u>

**PROGRAM IN MASS COMMUNICATION – PRINT**

**FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Mass Communication 1100	3		Intro. to Mass Communication
Mass Communication 1200		3	Principles of Visual Media
Speech Communication 1010	3		Fundamentals of Public Speaking
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1010		3	Modern Math
Social Science		3	Core Requirement
Natural Science	3		Core Requirement
Physical Education	1		Activity Course or Test
	<u>16</u>	<u>15</u>	

**SOPHOMORE YEAR**

Mass Communication 2222	3		Writing for Print Media
Mass Communication 2500		3	Writing for Radio/TV
Speech Communication Elective	3		Speech Communication Elective
English 2010	3		World Literature
Fine Arts	3		Core Requirement
Foreign Language	3	3	Core Requirement
Philosophy		3	Core Requirement
Theology	3	3	Core Requirement
Minor		3	
	<u>18</u>	<u>15</u>	

**JUNIOR YEAR**

Mass Communication 3150	3		News Editing
Mass Communication 3211 or 3400		3	Editorial Pract. or Desktop Pub.
Mass Communication 3250		3	News Reporting
Mass Communication 3600	3		Intro. to Mass Comm. Research
Speech Communication 3040	3		Small Group Communication
African American Studies		3	Core Requirement
Natural Science	3		Core Requirement
Social Sciences		3	Core Requirement
Minor	3	3	
Free electives	3		
	<u>18</u>	<u>15</u>	

**SENIOR YEAR**

Mass Communication 3500	3	Media Criticism
Mass Communication 4430	3	Media Law and Ethics
Mass Communication 4000	3	Feature Writing
Mass Communication**	3	Internship or Practicum**
Mass Communication Elective*	3	See Below*
Mass Communication 4999	0	Senior Comprehensives
Philosophy	3	Core Requirement
Minor	3	
Free Electives	3	
	<hr/>	
	15	17

\* To complete this requirement, students may choose one of the following: MSCM 2580, MSCM 3101, MSCM 3650, MSCM 3831, MSCM 4131, 4132, 4133, MSCM 4400, or MSCM 4520.

\*\*To complete this requirement, students may choose one of the following: Internship (MSCM 4410), 3 semester hours of P.R. Practicum (MSCM 2007, 3007, 4007), 3 semester hours of Newspaper Practicum (MSCM 2008, 3008, 4008), or 3 semester hours of Broadcast Practicum (MSCM 2009, 3009, 4009).

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Philosophy	6
English	9	Physical Education	1
Fine Arts	3	Social Sciences	6
Foreign Language	6	Speech Communication	9
History	6	Theology	6
Mass Communication	39	Free Electives	8
Mathematics	3	Minor	18
Natural Sciences	6	Total Semester Hours	<hr/>
			129

**PROGRAM IN MASS COMMUNICATION – PUBLIC RELATIONS**

**FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Mass Communication 1100	3		Intro. to Mass Communication
Mass Communication 1200		3	Principles of Visual Media
Speech Communication 1010	3		Fundamentals of Public Speaking
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1010		3	Modern Math
Social Science		3	Core Requirement
Natural Science	3		Core Requirement
Physical Education	1		Activity Course or Test
	<hr/>	<hr/>	
	16	15	

**SOPHOMORE YEAR**

Mass Communication 2222	3		Writing for Print Media
Mass Communication 2500		3	Writing for Radio/TV
Speech Communication Elective	3		Speech Communication Elective
English 2010	3		World Literature
Fine Arts	3		Core Requirement
Foreign Language	3	3	Core Requirement
Philosophy		3	Core Requirement
Theology	3	3	Core Requirement
Minor		3	
	<hr/>	<hr/>	
	18	15	

**JUNIOR YEAR**

Mass Communication 2030	3	Principles of Public Relations
Mass Communication 3150, 3400, or 4200	3	News Editing, Desktop Pub., or Int. Comm. For Public Relations
Mass Communication 3060	3	Writing for Public Relations
Mass Communication 3600	3	Intro. to Mass Comm. Research
Speech Communication 3040	3	Small Group Communication
African American Studies	3	Core Requirement
Natural Science	3	Core Requirement
Social Sciences	3	Core Requirement
Minor	6	
Free electives	3	
	<hr/>	
	15	18

**SENIOR YEAR**

Mass Communication 3500	3	Media Criticism
Mass Communication 4430	3	Media Law and Ethics
Mass Communication 4060	3	Public Relations Campaigns
Mass Communication**	3	Internship or Practicum**
Mass Communication Elective*	3	See Below*
Mass Communication 4999	0	Senior Comprehensives
Philosophy	3	Core Requirement
Minor	3	6
Free Electives	3	2
	<hr/>	
	15	17

\* To complete this requirement, students may choose one of the following: MSCM 2580, MSCM 3101, MSCM 3650, MSCM 3831, MSCM 4131, 4132, 4133, MSCM 4400, or MSCM 4520.

\*\*To complete this requirement, students may choose one of the following: Internship (MSCM 4410), 3 semester hours of P.R. Practicum (MSCM 2007, 3007, 4007), 3 semester hours of Newspaper Practicum (MSCM 2008, 3008, 4008), or 3 semester hours of Broadcast Practicum (MSCM 2009, 3009, 4009).

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Philosophy	6
English	9	Physical Education	1
Fine Arts	3	Social Sciences	6
Foreign Language	6	Speech Communication	9
History	6	Theology	6
Mass Communication	39	Free Electives	8
Mathematics	3	Minor	18
Natural Sciences	6	Total Semester Hours	<hr/>
			129

**PROGRAM IN SPEECH PATHOLOGY**

Speech pathology is the study of human communication -- its normal development, its disorders, and strategies for prevention. The speech-language pathologist, by evaluating the speech and language of children and adults, determines whether communication problems exist and decides the best method of treatment. Audiology is the study of normal and defective hearing. The audiologist strives to prevent hearing loss, aids in diagnosing problems, and recommends habilitation and rehabilitation techniques that range from the use of hearing aids to lip reading and/or manual communication.

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.

Xavier University offers a Bachelor of Science degree in Speech Pathology/Audiology. Students should be aware that a masters degree is required for certification by the American Speech-Language-Hearing Association and for licensure in most states.

## PROGRAM IN SPEECH PATHOLOGY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Speech Communication 1010	3		Fundamentals of Public Speaking
Biology 1030/1030L		3	General Biology
English 1010-1020	3	3	Comp & Rhetoric/Comp Lit.
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Physical Education		1	Activity Course or Test
	15	16	

### SOPHOMORE YEAR

Speech Pathology 1320	3		Intro. Communication Disorders
Speech Pathology 2340	4		Anatomy & Physiology of Speech & Hearing Mech.
Speech Pathology 2310		3	Phonetics
Speech Pathology 2500		3	Speech & Hearing Science
Speech Pathology 2730		3	Normal Language Development
African American Studies	3		Core Requirement
English 2010	3		World Literature I
Fine Arts		3	Core Requirement
Philosophy		3	Core Requirement
Theology	3		Core Requirement
Minor		3	
	16	18	

### JUNIOR YEAR

Speech Pathology 2760	3		Methods & Materials
Speech Pathology 2920	3		Articulation Disorders
Speech Pathology 3335	3		Audiology
Speech Pathology 3535		3	Hearing Testing
Speech Pathology 4010		3	Language Disorders
Philosophy		3	Core Requirement
Social Sciences	3	3	Core Requirement
Theology		3	Core Requirement
Minor	3	3	
Free Electives	3		
	18	18	

**SENIOR YEAR**

Speech Pathology 3340	3		Aural Rehabilitation
Speech Pathology 3560		3	Fluency Disorders
Speech Pathology 4320		3	Voice Disorders
Speech Pathology 4601P	2		Clinical Practicum in Speech Path.
Speech Pathology 4601A	1		Advanced Clinical Practicum
Speech Pathology 4602P or 4602A		2	Clinical Practicum in Speech Path. or Clinical Pract. in Audiology
Speech Pathology 4999		0	Senior Comprehensives
Free electives	2	3	
Minor	6	3	
	14	14	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Physical Education	1
Biology	3	Social Sciences	6
English	9	Speech Communication	3
Fine Arts	3	Speech Pathology	45
Foreign Language	6	Theology	6
History	6	Free Electives	8
Mathematics	6	Minor	18
Philosophy	6	Total Semester Hours	129

## **DEPARTMENT OF COMPUTER SCIENCE**

The computing disciplines comprise the study of information representation and processing. The science explores how representations are designed, implemented, and utilized to automate processes and solutions, especially in physical devices. The study of computing includes the theory, analysis, design, and implementation of the data structures that represent information, and the algorithms that operate on these structures. The study of computing draws on concepts from many different fields, including mathematics, physics and other natural sciences, philosophy, cognitive science and other social sciences, humanities, art, communications and more. Students of computing learn to integrate both theory and practice; they also learn the importance of abstraction and an appreciation for good engineering design.

The Department of Computer Science offers two majors, Computer Science and Computer Information Systems.

The Computer Science major contains 30 semester hours of required computer science courses, 6 semester hours of computer science electives, and 10 semester hours of mathematics courses. Students in this major follow university guidelines for satisfying a minor field of study. The curriculum for Computer Science is based on the recommendations of the Association for Computing Machinery (ACM).

The Computer Information Systems major contains 30 semester hours of required computer science courses, 6 semester hours of computer science electives, and 24 semester hours of business courses (accounting, business administration, economics, sales and marketing). The business requirements satisfy the university's requirements for a minor field of study. The curriculum for this major is based on the recommendations of the ACM and the Association of Information Technology Professionals (AITP).

In order for a computer science course to be counted for degree credit in any major in the Department, a student must earn a "C" or better. In addition, for Computer Science majors, in order for a mathematics or statistics course to be counted for degree credit, a student must earn a "C" or better. For Computer Information Systems majors, in order for any statistics course or any course taken in the Business Department to be counted for degree credit, a student must earn a "C" or better.

Majors in the Computer Science Department can enroll in a maximum of seven hours of computer science coursework outside of Xavier. No more than four of these seven hours can be at the 3000 or 4000-level.

All majors must attend all departmental meetings and successfully complete a capstone project demonstrating knowledge of and interrelatedness among the various computing fields and giving evidence of the ability to apply fundamental concepts and principles in developing solutions.

**Minor in Computer Science** -- Students who are interested in a minor in Computer Science are required to complete 18 semester hours of computer science. These are: CPSC 1010, 1710, 1720, 2120, 2730, and 2740.

**Honors in Computer Science** -- Each spring the department will select a limited number of students for possible graduation “with Honors in Computer Science.” Computer Science majors who achieve this distinction will have maintained at least a 3.50 grade point average in all Computer Science and Mathematics courses and at least a 3.30 grade point average overall, with no grade of “c” or lower in any computer science or mathematics course, throughout their undergraduate careers. Computer Science majors who satisfy these minimum requirements and who wish to be considered for the program are asked to apply by letter early in the spring semester of the Junior year. Students will be notified of the outcome of their application in writing. Students will be dropped from the program if they fail to continue to meet the academic requirements given above.

**Honors in Computer Information Systems** -- Each spring the department will select a limited number of students for possible graduation “with Honors in Computer Information Systems.” Computer Information Systems majors who achieve this distinction will have maintained at least a 3.50 grade point average in all Computer Science courses and courses offered by the Business Department, and at least a 3.30 grade point average overall, with no grade of “c” or lower in any computer science course or course offered by the business department, throughout their undergraduate careers. Computer Information Systems majors who satisfy these minimum requirements and who wish to be considered for the program are asked to apply by letter early in the spring semester of the Junior year. Students will be notified of the outcome of their application in writing. Students will be dropped from the program if they fail to continue to meet the academic requirements given above.

## PROGRAM IN COMPUTER SCIENCE

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Computer Science 1010	3		Computing Challenges
Computer Science 1710		3	Computer Science I
English 1010-1020	3	3	English Composition
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Philosophy 2040		3	Logic
Speech Communication 1010	3		Fundamentals of Speech
	15	15	

### SOPHOMORE YEAR

African American Studies		3	Core Requirement
Computer Science 1720	3		Computer Science II
Computer Science 2120	3		Computer Org. & Arch.
Computer Science 2730		3	Data Structures
English 2010	3		World Literature I
Mathematics 1020 or 2030		3	Basic Statistics or Elem Linear Alg
Mathematics 1070	4		Intro. Calculus
Mathematics 2550		3	Discrete Structures I
Social or Natural Science		3	Core Requirement
Theology	3		Core Requirement
	16	15	

<b>JUNIOR YEAR</b>			
Computer Science 2740	3		Software Development
Computer Science 3140	3		Operating Systems
Computer Science 3060		3	Design & Anal. of Algorithms
Computer Science Elective*		3	
Free Electives		3	
Minor	6	3	
Natural or Social Science	3	3	Core Requirement
Physical Education	1		Core Requirement
Theology		3	Core Requirement
	<hr/> 16	<hr/> 18	

<b>SENIOR YEAR</b>			
Computer Science 4100	3		Automata Theory & Lang. Trans.
Computer Science Elective*		3	
Computer Science 4800-4805	1	2	Capstone Project
Fine Arts	3		Core Requirement
Free Electives		6	
Minor	3	6	
Philosophy	3		Core Requirement
Social or Natural Science	3		Core Requirement
	<hr/> 16	<hr/> 17	

\* A Computer Science elective must be a Computer Science course at the 3000 level or above. Of the required Computer Science electives, no more than three hours can be earned from Independent Study, Summer Internship, and Summer Undergraduate Research courses.

<b>SUMMARY</b>			
	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Philosophy	6
Computer Science	36	Physical Education	1
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Minor	18
Mathematics	10	Free Electives	9
Natural Science	6	Total Semester Hours	<hr/> 128

## **PROGRAM IN COMPUTER INFORMATION SYSTEMS**

### **FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Computer Science 1010	3		Computing Challenges
Computer Science 1710		3	Computer Science I
English 1010-1020	3	3	English Composition
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Philosophy 2040		3	Logic
Speech Communication 1010	3		Fundamentals of Speech
	<hr/> 15	<hr/> 15	

**SOPHOMORE YEAR**

Accounting 1010-1020	3	3	Principles of Accounting
Computer Science 1720	3		Computer Science II
Computer Science 1800		3	Fundamentals of Information Systems
Computer Science 2005	3		Adv PCs and Software Apps
Computer Science 2730		3	Data Structures
English 2010		3	World Literature I
Mathematics 1070	4		Intro. Calculus
Mathematics 2550		3	Discrete Structures I
Philosophy 2410	3		Business Ethics
	<hr/>	<hr/>	
	16	15	

**JUNIOR YEAR**

African American Studies		3	Core Requirement
Business Administration 2060	3		Principles of Management
Business Administration 3035	3		Legal Aspects of Business
Computer Science 2740	3		Software Development
Computer Science 3140	3		Operating Systems
Computer Science 3710		3	Database
Computer Science Elective*		3	
Economics 2010-2020	3	3	Micro Economics-Macro Econ.
Natural or Social Science	3	3	Core Requirement
Physical Education		1	Core Requirement
	<hr/>	<hr/>	
	18	16	

**SENIOR YEAR**

Computer Science 4800-4805	1	2	Capstone Project
Computer Science Elective*		3	
Finance 3050		3	Corporate Finance
Fine Arts	3		Core Requirement
Free Electives	6		Core Requirement
Sales and Marketing 2050		3	Principles of Marketing
Social or Natural Science	3	3	Core Requirement
Theology	3	3	Core Requirement
	<hr/>	<hr/>	
	16	17	

**SUMMARY**

	Semester Hours		Semester Hours
Accounting	6	Marketing	3
African American Studies	3	Mathematics	7
Business Administration	6	Natural Science	6
Computer Science	36	Philosophy	6
Economics	6	Physical Education	1
English	9	Social Science	6
Finance	3	Speech	3
Fine Arts	3	Theology	6
Foreign Language	6	Free Electives	6
History	6	Total Semester Hours	<hr/>
			128

## **DIVISION OF EDUCATION**

**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 1915, when Xavier University 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 is the development of reflective professionals who are collaborative change agents toward a more just and humane society.

The Division 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 concepts: spirituality, culture, professionalism, knowledge, competencies, and technology. 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 a comprehensive web-based tool known as PASS-PORT, Performance Assessment Support System. There are four portals used at critical points in the tenure of the candidate in the program, with each portal consisting of criteria that the candidate must fulfill successfully to exit through the checkpoint. Formative and summative evaluation data are reviewed at each checkpoint to determine the candidate's progress. The PASS-PORT portal procedure gives the Division opportunities to continuously examine the validity and utility of data produced through these assessments.

The Division of Education received reaccreditation by the National Council for Accreditation of Teacher Education (NCATE) in October 2003. 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.

**Curricula and Educational Outcomes** -- The Division of Education 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 areas, Art, Biology, Chemistry, English/English Education, Foreign Language (French and Spanish), Social Sciences (Social Studies), Mathematics, and Music.

The requirements of the Education programs consist of courses in general education, knowledge of the learner and the learning environment, methodology in teaching, and student teaching. 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 the 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 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.

**Standards and Procedures for Admission to and Retention in the Teacher Education Program** – Upon admission to the University, all students declaring a major in the Division of Education must register with the chairperson. Admission to the University or registration with the Division as a major does not constitute acceptance into the Teacher Education Program. Students who transfer from other departments must have a minimum cumulative GPA of 2.3 and must have a grade of “C” or better in each course taken.

**During the second semester of the sophomore year, every student seeking formal admission into the Teacher Education Program must complete the following criteria:**

**Criteria for Admission to the Teacher Education Program (TEP) – Portal II**

1. Achievement of at least a 2.5 cumulative average in all coursework.
2. Achievement of at least a "C" grade in every course listed in the student's program of study.
3. Completion of all developmental work.
4. Achievement of passing scores on **Praxis I-PPST-Pre-Professional Skills Test and Praxis II content.**
5. Membership in a professional organization specific to education (e.g., LAE/SP,
6. Achievement of a satisfactory rating on an interview with the Teacher Education Admissions Committee.
7. Satisfactory review of a 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 and **the candidate may face dismissal from the program.**

**Also, 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.**

### **Criteria for Retention in the Teacher Education Program**

Students are eligible to continue their programs provided they meet the following strictly enforced criteria:

1. Maintain a minimum 2.5 cumulative average for all coursework.
2. Receive grades of "C" or above in education courses or specialized academic courses required by the university and the state for teacher certification; and,
3. Are not placed on academic probation for two consecutive terms.

### **Student Teaching--Standards and Admission Procedures – Portal III**

#### **Eligibility Requirements for Student Teaching**

1. Formal acceptance into the Teacher Education Program.
2. No grades below "C" in any core, professional, specialized academic (or content course for secondary majors), or other courses required by the University program of study or Louisiana Department of Education for graduation or teacher certification.
3. Completion of a minimum of 95 semester hours (senior standing) in a prescribed program of study with a cumulative average of 2.5 in all course work and 2.5 in courses in the major teaching field and professional education.
4. Successful completion of all courses as stated in the student's program of study.
5. **Passing scores on PRAXIS PLT** - Principles of Learning and Teaching for Elementary, Secondary, and K-12 programs prior to student teaching.

#### **Registration for Student Teaching**

The applicant should file an application with the Coordinator of Student Teaching 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 do student teaching.**

#### **Teacher Education Graduation and Teacher Certification Policies – Portal IV**

Education majors in, 1-5, 4-8, and secondary education must successfully pass all required parts of the Praxis I and Praxis II: Principles of Learning and Teaching or required test including the Subject Area Tests by the semester prior Student teaching (Secondary majors should check with their department.) Minimum scores required for each of these tests can be obtained in the Division of Education Office or on the Teach Louisiana website – [www.teachlouisiana.net](http://www.teachlouisiana.net).

In order to graduate as teacher education majors and to obtain teacher certification, students must:

1. Achieve a 2.5 cumulative average for all coursework taken,
2. Not earn any grade below a "C", and
3. Pass all required subject area parts of the Praxis II prior to **student teaching**.

**Membership in a Professional Organization** – The Division of Education also requires that students be members of at least one professional organization by their junior year and continue membership through the semester in which they student teach.

**Teaching Certificates** – Application for a Louisiana teaching certificate is made in the Division of Education Office.

**Minor in Education** – 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.

Minors in education are offered in four areas: Elementary, Secondary, Health, and Physical Education. A student should choose to minor in one of the four areas and complete the 18 hours of course work listed for that specific discipline area.

Elementary Education Minor

EDUC 1100	Instructional Technology
EDUC 2025	Child Psychology
EDSP 2040	Introduction to Exceptional Children
EDUC 2044	Classroom Management
EDEL 3050A*	Methods of Teaching Reading
EDUC 3040*	Educational Psychology

Secondary Education Minor

EDUC 1100	Instructional Technology
EDUC 2040	Introduction to Exceptional Children
EDUC 2044	Classroom Management
EDSC 3023*	Special Methods
EDUC 3040*	Educational Psychology
EDSC 4090*	Adolescent Psychology

\*All non-education majors must meet criteria 1-4 for admission to the Teacher Education Program in order to schedule these courses.

Health Minor – The minor in Health consists of eighteen (18) semester hours of health-related courses of which ten (10) must include the following:

HLTH 1141	First Aid and CPR
HLTH 2200	Comprehensive Health
HLTH 2281	General Safety Education
PHED 2130	Anatomy and Physiology

The remaining eight (8) semester hours must be selected from the following:

HLTH 2130	Personal and Environmental Health
EDEL 2400	Nutrition
HLTH 3090*	School Health Program
PHED 3190*	Methods & Materials of H & P Education & Safety
HLTH 3210*	Basic Health Science
HLTH 3220*	General Health and Safety Education
PHED 4340S*	Seminar in Health and Physical Education

Physical Education Minor

HLTH	1141	First Aid and CPR
PHED	2015	Elementary School Physical Education
PHED	2130	Anatomy and Physiology
PHED	2140	Fundamentals of Swimming
PHED	3070*#	Major Team Sports
PHED	3080*#	Team & Individual Sports
PHED	3240*#	Kinesiology
PHED	4360*#	Organization & Administration of H. & P.E.

\*All non-education majors must meet criteria 1-4 for admission to the Teacher Education Program in order to schedule these courses.

#Prerequisite: Successful completion of HLTH 1141, PHED 2015, and PHED 2130.

**PROGRAM IN ELEMENTARY EDUCATION  
(GRADES 1-5)**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Education (EDUC) 1000		0	Teacher Prep
Biology 1030/1030L	3		General Biology
Biology 1050		3	Environmental Biology
English 1010-1020	3	3	Comp & Rhet./Comp & Lit.
Geography 1010	3		World Geography
History 1030 or 1040	3		World Civilizations
Mathematics 1015		3	Coll. Alg. for Elem. Ed. Majors
Philosophy		3	Core Requirement
Physical Education*	1		Activity Course
Political Science 1020	3		American Government
Speech Communication 1010		3	Fundamentals of Public Speaking
Theology		3	Core Requirement
	<hr/>	<hr/>	
	16	18	

\*Must be Physical Education activity.

**SOPHOMORE YEAR**

Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2025	3		Child Psychology
Education (EDUC) 2030		3	Children's Literature
Education (EDUC) 2040	3		Intro. To Exceptional Child.
Education (EDUC) 2044		3	Classroom Org. & Management
African American Studies		3	Core Requirement
Art 2090 or Music 2013		3	Art or Music for Teachers
English 2010-2020	3	3	World Literature
Integrated Physical Science 2010	4		Integrated Physical Science
Mathematics 2015	3		Geometry for Elem. Ed. Majors
Physical Education 2015		3	Elementary School P.E.
	<hr/>	<hr/>	
	16	18	

### 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.**

Education (EDUC) 3005L	0		Praxis II: Princ. of Lear. & Teach.
Education (EDEL) 3020	3		Methods of Tchg. Elem. Sch.
Education (EDUC) 3040	3		Educational Psychology
Education (EDEL) 3050A -B	3	3	Methods of Teach Reading
Education (EDEL) 3071	3		Curriculum Applications I
Education (EDEL) 3081	3	3	Curriculum Applications II
Education (EDUC) 3060A-B	3	3	Strat. & Tech. in Elem. Sch. Math
History 3040	3		Louisiana History
Integrated Physical Science 2020	3		Earth Science
Mathematics 2025	3		Finite Math for Elem Educ Maj.
Philosophy	3		Core Requirement
	18	18	

### SENIOR YEAR

Education (EDUC) 4005O	0		Praxis: Elem. Educ. Content Knowl.
Education (EDUC) 4030	3		Educational Meas. & Evaluation
Education (EDUC) 4060S	0		Student Teaching Seminar
Education (EDUC) 4060A	9		Student Teaching
Education (EDUC) 4113R	3		Clin. Proc. in Rem Reading
Education (EDUC) 4200	3	3	Multicultural Education
Education (EDUC) 4999	0		Senior Comprehensives
Integrated Physical Science 4010	3		Advanced Earth Science
Mathematics 1020	3		Basic Statistics
Theology	3		Core Requirement
Free Electives	3		Core Requirement
	18	12	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Mathematics	12
Art or Music	3	Philosophy	6
Biology	6	Physical Education*	4
Education	54	Political Science	3
English	12	Speech Communication	3
Geography	3	Theology	6
History	6	Free Electives	3
Integrated Physical Science	10	Total Semester Hours	134

\* Must include one hour of Physical Education activity.

**PROGRAM IN MIDDLE SCHOOL EDUCATION**  
**Math and Science Focus Areas**  
**(GRADES 4-8)**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Education (EDUC) 1000		0	Teacher Prep
Biology 1030/1030L	3		General Biology
Biology 1050		3	Environmental Biology
English 1010-1020	3	3	Comp & Rhet./Comp & Lit.
Geography 1010	3		World Geography
History 1030 or 1040	3		World Civilizations
Mathematics 1030	3		Precalculus
Mathematics 1015		3	Coll. Alg. for Elem. Ed. Majors
Physical Education	1		Core Requirement
Political Science 1020		3	American Government
Speech Communication 1010		3	Fundamentals of Public Speaking
Theology		3	Core Requirement
	15	18	

**SOPHOMORE YEAR**

Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2040	3		Intro. To Exceptional Child.
Education (EDUC) 2044		3	Classroom Org. & Management
African American Studies		3	Core Requirement
Art 2090 or Music 2013		3	Art or Music for Teachers
Chemistry 1500		3	Environmental Chemistry
English 2010-2020	3	3	World Literature
History 2010		3	U.S. History to 1865
Integrated Physical Science 2010	4		Integrated Physical Science
Mathematics 2015	3		Geometry for Elem. Ed. Majors
Philosophy	3		Core Requirement
	16	18	

**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.**

Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040	3		Educational Psychology
Education (EDEL) 3050A -B	3	3	Methods of Teach Reading
Education (EDEL) 3071	3		Curriculum Applications I
Education (EDEL) 3081		3	Curriculum Applications II
Education (EDUC) 3200	3		Middle School Tchg. Strategies
English 3233		3	Tchg. Comp. & Literature
History 3040	3		Louisiana History
Integrated Physical Science 2020		3	Earth Science
Mathematics 2025		3	Finite Math for Elem Educ Maj.
Philosophy	3		Core Requirement
Theology		3	Core Requirement
	18	18	

<b>SENIOR YEAR</b>		
Education (EDUC) 4005O	0	Praxis: Content Exams – Middle Sch. Math and Middle Sch. Science
Education (EDUC) 4030	3	Educational Meas. & Evaluation
Education (EDUC) 4060S	0	Student Teaching Seminar
Education (EDSC) 4061T	9	Student Teaching
Education (EDUC) 4090	3	Adolescent Psychology
Education (EDUC) 4150	3	Tchg. Reading in Content Areas
Education (EDUC) 4200	3	Multicultural Education
Education (EDUC) 4999	0	Senior Comprehensives
Integrated Physical Science 4010	3	Advanced Earth Science
Mathematics 1020	3	Basic Statistics
Free Electives	3	Core Requirement
	<hr/> 18	<hr/> 12

<b>SUMMARY</b>			
	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Integrated Physical Science	10
Art or Music	3	Mathematics	15
Biology	6	Philosophy	6
Chemistry	3	Physical Education	1
Education	45	Political Science	3
English	15	Speech Communication	3
Geography	3	Theology	6
History	9	Free Electives	3
		Total Semester Hours	<hr/> 134

## **PROGRAM IN ART EDUCATION (GRADES K-12)**

<b>FRESHMAN YEAR</b>			
	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Art 1010-1020	3	3	Design IA-IB
Art 1030-1040	3	3	Drawing IA-IB
Art 1090	3		Art Appreciation
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1010-1020	3	3	Modern Math/Basic Stat.
Speech Communication 1010		3	Fundamentals of Public Speaking
	<hr/> 18	<hr/> 18	

<b>SOPHOMORE YEAR</b>			
Art 1050-1060	3	3	Ceramics/Painting
Art 2020-2080	3	3	Graphics/Printmaking
Art 2030-2040	3	3	Drawing IIA-IIB
Education (EDSP) 2040	3		Intro. to Exceptional Children
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Biology 1030/1030L-1040/1040L	3	3	General Biology
English 2010	3		World Literature
Integrated Physical Science 2010		4	Integrated Physical Science
Physical Education		1	Core Requirement
	<hr/> 18	<hr/> 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.**

Art 2110-2120	3	3	History of Art IA - IB
Art 2130		3	Art of the 20 <sup>th</sup> Century
Art 3000	3		Trends in Art Education
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 2044		3	Classroom Org. & Management
Education (EDSC) 3023	3		Special Methods
Education (EDSC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
Philosophy	3	3	Core Requirement
Theology	3	3	Core Requirement
	18	18	

### SENIOR YEAR

Art 2090	3		Art Essentials for Teachers
Art 2070	3		Intro to Sculpture
Art 4999		0	Senior Comprehensives
Education (EDSC) 4150	3		Teaching Reading in the Content Areas
Education (EDSC) 4061T		9	Student Teaching
Education (EDUC) 2025	3		Child Psychology
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDUC) 4200		3	Multicultural Education
African American Studies	3		Core Requirement
Free Elective	3		Core Requirement
	18	12	

### SUMMARY

	Semester Hours		Semester Hours
Art	51	Integrated Physical Science	4
African American Studies	3	Mathematics	6
Biology	6	Philosophy	6
Education	33	Speech Communication	3
English	9	Theology	6
Health & Physical Ed.	1	Free Electives	3
History	6	Total Semester Hours	137

## PROGRAM IN BIOLOGY EDUCATION (GRADES 6-12) (Certification – Biology)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Biology 1230/1230L-1240/1240L	4	4	General Biology I & II
Chemistry 1010/1010D/1011L 1020/1020D/1021L 1020H/1020D/1021L	4	4	General Chemistry I & II
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet./Comp & Lit
History 1030-1040	3	3	World Civilizations
Philosophy	3		Core Requirement
Physical Education		1	Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
	17	18	

### SOPHOMORE YEAR

Biology 2000/2000L	4	Biodiversity
Biology 2010/2010L	4	Microbiology
Education (EDUC) 2044	3	Class. Org. & Management
Education (EDUC) 2005R	0	Praxis PPST Reading
Education (EDUC) 2005W	0	Praxis PPST Writing
Education (EDUC) 2005M	0	Praxis PPST Math
African American Studies	3	Core Requirement
Chemistry 2210/2210D/2230L	4	Organic Chemistry I
English 2010	3	World Literature I
Mathematics 1030	4	Pre calculus
Mathematics 1020	3	Basic Statistics I
Social Sciences	3	Core Requirement
Theology	3	Core Requirement
Free Electives	2	
	<hr/>	
	18	18

### 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.

Biology 3110/3110L	4	Genetics
Biology Electives	4	
Biology 4210	1	Introduction to Scientific Lit.
Education (EDUC) 3005L	0	Praxis II: Princ. of Lear. & Teach.
Education (EDSP) 2040	3	Intro. to Exceptional Children
Education (EDSC) 3023	3	Methods of Teaching Science
Education (EDSC) 3023B	3	Meth. For Preservice Biol. Teachers
Education (EDUC) 3040	3	Educational Psychology
Education (EDUC) 4090	3	Adolescent Psychology
Physics 2010/2010L-	4	General Physics I & II
2020/2020L	4	
Theology	3	Core Requirement
	<hr/>	
	17	18

### SUMMER

Philosophy	3	Core Requirement
Theology	3	Core Requirement
	<hr/>	
	6	

### SENIOR YEAR

Biology 4550	3	Advanced Reading in Biology
Biology Electives	5	Elective
Education (EDUC) 4005B	0	Praxis II: Biology
Education (EDSC) 4061T	9	Student Teaching
Education (EDSC) 4060S	0	Student Teaching Seminar
Education (EDSC) 4150	3	Teaching Reading in Content Area
Education (EDSC) 4200	3	Multicultural Education
Integrated Physical Science 2020	3	Earth Science
Fine Arts	3	Core Requirement
Free Elective	1	Core Requirement
	<hr/>	
	18	12

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Integrated Physical Science*	3
Biology	36	Mathematics	7
Chemistry*	12	Philosophy	6
Education	33	Physics*	8
English	9	Social Sciences	3
Fine Arts	3	Speech Communication	3
Physical Education	1	Theology	6
History	6	Free Electives	3
		Total Semester Hours	142

\*These hours are to be used to fulfill the requirement for General Science, the secondary teaching area.

## PROGRAM IN CHEMISTRY EDUCATION (GRADES 6-12) (Certification – Chemistry)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Chemistry 1010/1010D/1011L 1020/1020D/1021L	4	4	General Chemistry I & II
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet./Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1030-1070	4	4	Pre Cal/Intro Calculus
Speech Communication 1010		3	Fundamentals of Public Speaking
Theology	3		Core Requirement
	17	18	

### SOPHOMORE YEAR

Chemistry 2210/2210D/2230L- 2220/2220D/2240L	4	4	Organic Chemistry I & II
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2044		3	Classroom Org. & Management
Biology 1230/1230L- 1240/1240L	4	4	General Biology I & II & Lab
English 2010	3		World Literature
Philosophy		3	Core Requirement
Physics 2010/2010L – 2020/2020L	4	4	General Physics I & II & Lab
Social Sciences	3		Core Requirement
	18	18	

### 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.**

Chemistry 3010		3	P. Chem. for the Life Sciences
Chemistry 3210/3210L	4		Quant. Analysis & Lab
Chemistry 3220L		2	Qual. Organic Analysis
Education (EDSP) 2040	3		Exceptional Children
Education (EDSC) 3023	3		Methods of Teaching Science
Education (EDSC) 3023C		3	Meth. for Preservice Chem. Teachers
Education (EDUC) 3005L		0	Praxis II: Princ. of Learn. & Teach.
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
Integrated Physical Science 4010		3	Advanced Earth Science
Philosophy 3250	3		Philosophy of Science
Physical Education	1		Core Requirement
Theology		3	Core Requirement
	17	17	

### SENIOR YEAR

Chemistry 4130	3		Introduction to Biochemistry
Chemistry 4073*	3		Chemistry Literature Research
Chemistry 4999		0	Senior Comprehensives
Education (EDUC) 4005C	0		Praxis II: Chem., Phys., Gen. Sci.
Education (EDSC) 4061T		9	Student Teaching
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDSC) 4150	3		Teaching Reading in Content Area
Education (EDUC) 4200		3	Multicultural Education
African American Studies	3		Core Requirement
Fine Arts	3		Core Requirement
Free Electives	3		Core Requirement
	18	12	

\*CHEM 4083, Undergraduate Research may be substituted with permission of the course instructor.

### SUMMARY

Semester Hours	Semester Hours
African American Studies	Mathematics
Biology	Philosophy
Chemistry	Physical Education
Education	Physics
English	Social Sciences
Fine Arts	Speech Communication
History	Theology
Integrated Physical Science	Free Electives
	Total Semester Hours
	134

## PROGRAM IN ENGLISH/ENGLISH EDUCATION (GRADES 6-12)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
Fine Arts		3	Core Requirement
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education	1		Core Requirement
	<hr style="width: 100%;"/>	<hr style="width: 100%;"/>	
	16	15	

### SOPHOMORE YEAR

English 2010-2020	3	3	World Literature
English 2070-2080	3	3	British Literature
English 2200	3		Modern English Grammars
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2044		3	Classroom Org. & Management
Natural Science	3	3	Core Requirement
Philosophy		3	Core Requirement
Social Sciences	3		Core Requirement
Theology*	3		Core Requirement
Free Electives		1	Core Requirement
	<hr style="width: 100%;"/>	<hr style="width: 100%;"/>	
	18	16	

\*Students must take either Theology 1100 or 1120.

### SUMMER

Theology**	3		Core Requirement
Free Electives	<hr style="width: 100%;"/>		Core Requirement
	3		
	<hr style="width: 100%;"/>		
	6		

\*\*Students must take one of the following: THEO 2002, 2021, 2022, 2100, 2200, 2410, 2440, 2600, 3060, 3200, 3300, 3370, 3800, 38750.

### 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.**

English 3040 or 3050	3		Shakespeare
English 3160-3170	3	3	American Literature
English 3310	3		Rhet., Comp. & Tchng of Writing
English 3320		3	Critical App. to Teaching Lit.
English Elective***	3	3	
Education (EDSP) 2040		3	Introduction to Exceptional Chil.
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040	3		Educational Psychology
African American Studies		3	Core Requirement
Philosophy 3250		3	Philosophy of Science
	<hr style="width: 100%;"/>	<hr style="width: 100%;"/>	
	15	18	

\*\*\*Students must take 3 hours (a total of 6) from two of the following groups: (Enl 3185, 3280, 3290; (2) ENGL 3010, 3021, 3970; (3) ENGL 3210, 3221, 3270.

**SENIOR YEAR**

English 4010/4020/4030/4040/4050	3	3	Seminar
English 3135	3		Language: History & Theory
English Elective	3		
English 4999		0	Senior Comprehensives
Education (EDSC) 4061T		9	Student Teaching
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDUC) 4090	3		Adolescent Psychology
Education (EDUC) 4200	3		Multicultural Education
	<u>15</u>	<u>12</u>	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Natural Science	6
Education	24	Philosophy	6
English	52	Physical Education	1
Fine Arts	3	Social Sciences	3
Foreign Language	6	Speech Communication	3
History	6	Theology****	6
Mathematics	6	Free Electives	4
		Total Semester Hours	<u>131</u>

\*\*\*\*Students must take either Theology 1100 or 1120, and one of the following: THEO 2002, 2021, 2022, 2100, 2200, 2410, 2440, 2600, 3060, 3200, 3300, 3370, 3800, 38750 to fulfill the Theology requirement.

**PROGRAM IN FOREIGN LANGUAGE EDUCATION  
(GRADES K-12)  
(FRENCH OR SPANISH EDUCATION)**

**FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Language 1010-1020, 1020-2010, or 2010-2020	3	3	Elementary or Intermediate (French/Spanish)
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
Biology 1030/1030L-1040/1040L	3	3	General Biology
History 1030	3		World Civilization
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Physical Education	1		Core Requirement
Social Sciences		3	Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
	<u>16</u>	<u>18</u>	

**SUMMER**

Philosophy	<u>3</u>	Core Requirement
	3	

**SOPHOMORE YEAR**

Language 2010-2020, 3010-3020, or 2020-3 hr. 3000-level course	3	3	Interm. (Fren/Span), Gram-Comp, or Interm II-3000-level course
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDSP) 2040	3		Intro. to Exceptional Children
African American Studies		3	Core Requirement
English 2010-2020	3	3	World Literature
History 1030-1040	3	3	Western Civilizations
Integrated Physical Science 2010	4		Integrated Physical Science
Social Science		3	Core Requirement
Theology		3	Core Requirement
	<hr/>	<hr/>	
	18	18	

**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.**

THE FOLLOWING JUNIOR YEAR CURRICULUM IS **REQUIRED** FOR ALL FRENCH EDUCATION MAJORS. SPANISH EDUCATION MAJORS MAY ALSO OPT FOR THIS JUNIOR YEAR CURRICULUM.

Language (See Advisor)	12		Study Abroad
Language 4050 or 4051		3	Internship or Special Topics
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040		3	Educational Psychology
Education (EDSC) 4150		3	Teaching Reading in the Content Areas
Fine Arts		3	Core Requirement
Philosophy		3	Core Requirement
Theology		3	Core Requirement
Free Elective	3		Core Requirement
	<hr/>	<hr/>	
	15	18	

THE FOLLOWING JUNIOR YEAR CURRICULUM IS FOR SPANISH EDUCATION MAJORS WHO DO NOT ELECT THE STUDY ABROAD OPTION ABOVE.

Language 3001-3002 or Elective	3	3	Grammar/Comp. Or Elective
Language 3011-3012 or Elective	3	3	Conversation or Elective
Language 4051 or 4052		3	Special Topics
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040	3		Educational Psychology
Education (EDSC) 4150		3	Teaching Reading in the Content Areas
Fine Arts		3	Core Requirement
Philosophy	3		Core Requirement
Theology		3	Core Requirement
Free Elective	3		Core Requirement
	<hr/>	<hr/>	
	15	18	

**SENIOR YEAR**

Language 4080	3		Language Teaching Methodology
Language 4052 or 4033	3		Special Topics or Directed Rdngs
Language Elective	3		Language Elective
Language 4999	0		Senior Comprehensives
Education (EDSC) 3023	3		Special Methods
Education (EDSC) 4061T		9	Student Teaching
Education (EDUC) 2044	3		Classroom Org. & Management
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDUC) 4090	3		Adolescent Psychology
Education (EDUC) 4200		3	Multicultural Education
Education (EDUC) 4999		0	Senior Comprehensives- PRAXIS Content Exam
	<hr/>	<hr/>	
	18	12	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Languages	36
Biology	6	Mathematics	6
Education	33	Philosophy	6
English	12	Social Sciences	6
Fine Arts	3	Speech Communication	3
Physical Education	1	Theology	6
History	6	Free Electives	<u>3</u>
Integrated Physical Science	4	Total Semester Hours	<u>134</u>

**PROGRAM IN MATH EDUCATION (GRADES 6-12)  
(Secondary Teaching Area: Biology, Chemistry, or Physics)**

**FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>	
Mathematics 1070-2070	4	4	Intro to Calculus/Calculus II
Mathematics 2550		3	Discrete Structures I
Education 1000	0		Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
History 1030-1040	3	3	World Civilizations
Philosophy 2040	3		Logic
Physical Education		1	Core Requirement
Social Sciences	3		Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
	<u>16</u>	<u>17</u>	

**SOPHOMORE YEAR**

Mathematics 2030		3	Linear Algebra
Mathematics 2080	4		Calculus III
Mathematics 2560	3		Discrete Structures II
Statistics		3	Statistical Methods
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDSP) 2040	3		Intro. To Exceptional Children
Education (EDUC) 2044		3	Classroom Management
African American Studies		3	Core Requirement
English 2010	3		World Literature I
Natural Science*	3	3	Core Requirement
Theology		3	Core Requirement
Free Electives	<u>2</u>		Core Requirement
	<u>18</u>	<u>18</u>	

### 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.**

Mathematics 2160L	1	Mathematics Technology Lab
Mathematics 4010	3	Modern Geometry
Mathematics 4030	3	History of Mathematics
Mathematics 4095/4095D	3/0	Abstract Algebra
Education (EDUC) 3005L	0	Praxis II: Princ. of Learn. & Teach.
Education (EDSC) 3023-3023M	3	Special Methods I
Education (EDUC) 3040	3	Educational Psychology
Education (EDUC) 4090	3	Adolescent Psychology
Computer Science elective	3	
Fine Arts	3	Core Requirement
Natural Science*	3	
Secondary Teaching Area*	3	
	18	16

### SENIOR YEAR

Mathematics 4999	0	Senior Comprehensives
Education (EDUC) 3005L	0	Praxis: Content Area
Education (EDUC) 4060S	0	Student Teaching Seminar
Education (EDSC) 4061T	9	Student Teaching
Education (EDSC) 4150	3	Teaching Reading in the Content Area
Education (EDUC) 4200	3	Multicultural Education
Philosophy 3250	3	Philosophy of Science
Secondary Teaching Area*	7	
Theology	3	Core Requirement
Free Electives	1	
	17	12

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Computer Science	3	Physical Education	1
Education	33	Secondary Teaching Area*	10
English	9	Social Sciences	3
Fine Arts	3	Speech Communication	3
History	6	Statistics	3
Mathematics	31	Theology	6
Natural Sciences	9	Free Electives	3
		Total Semester Hours	132

\*In order to meet the requirements of the secondary teaching area of Biology, Chemistry, or Physics, all 19 hours (Natural Science and Secondary Teaching Area) must be in the respective discipline.

**PROGRAM IN MUSIC EDUCATION (GRADES K-12)  
INSTRUMENTAL OR VOCAL SUPERVISION**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Music (MUAP) Applied	2	2	Major Applied Study
Music (MUAP) Applied Piano	1	1	
Music (MUEN) 1910S-1920S or Music (MUEN) 1310U-1320U	1	1	Ensemble: Symphonic Band Ensemble: University Chorus
Music (MUST) 1030-1040	3	3	Music Theory Lecture I – II
Music (MUST) 1030L-1040L	1	1	Music Theory Lab I, II
Music (MUSH) 1050-1070	3	3	Intro. To Music History & Lit.
Music (MURE) 1070A-1070B	0	0	Recital Class
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
Mathematics 1010-1020	3	3	Modern Math/Basic Stat.
Physical Education 1070		1	Folk Dancing
	17	18	

**SUMMER**

Natural Science	3	3	Core Requirement
History 1030	3		World Civilizations
	6	3	

**SOPHOMORE YEAR**

Music (MUAP) Applied	2	2	Major Applied Study
Music (MUAP) Applied Piano	1	0	Secondary Piano
Music (MUEN) 2910S-2920S or Music (MUEN) 2310U-2320U	1	1	Ensemble: Symphonic Band Ensemble: University Chorus
Music (MURE) 2070A-2070B	0	0	Recital Class
Music (MUST) 2030-2040	3	3	Music Theory Lecture III-IV
Music (MUST) 2030L-2040L	1	1	Music Theory Lab III-IV
Music (MUSM) 2010-2020	1	1	Found. In Funct. Musicianship I-II
Education (EDUC) 2044		3	Classroom Org. & Management
Education (EDUC) 2040	3		Intro. to Exceptional Children
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
English 2010-2020	3	3	World Literature
History 2010 or 2020	3		U. S. History
	18	14	

**SUMMER**

African American Studies	3		Core Requirement
Philosophy	3		Core Requirement
	6		

### 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.**

Music (MUAP) Applied	2	3	Major Applied Study
Music (MUAP) Applied		2	Secondary Applied Study
Music (MUSM) 3010-4010	1	1	Found. In Funct. Muscenship III-IV
Music (MUEN) 3910S-3920S or	1	1	Ensemble: Symphonic Band
Music (MUEN) 3310U-3330U			Ensemble: University Chorus
Music (MURE) 3070A-3070B	0	0	Recital Class
Music (MUSM) 2180-3180	2	2	Elem. Conducting/Adv. Cndtng.
Music (MUST) 3090		2	Orchestration
Education (EDSC) 3020A-3020B	3	0	Music in Jr./Sr. High
Education (EDUC) 2025	3		Child Psychology
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
	15	14	

### SUMMER

Philosophy	3	Core Requirement
Theology	3	Core Requirement
	6	

### SENIOR YEAR

**All majors must have passed a piano proficiency test and a conducting examination before they are permitted to so the student teaching internship.**

Music (MUAP) Applied	3	2	Major Applied Study
Music (MUAP) Applied	1		Secondary Applied Study
Music (MUEN) 4910S-4920S or	1	1	Ensemble: Symphonic Band
Music (MUEN) 4310U-4320U			Ensemble: University Chorus
Music (MURE) 4070A-4070B	0	0	Recital Class
Music (MUST) 3111		2	Composition I
Education (EDSC) 4061		9	Student Teaching
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDSC) 4150	3		Teaching Reading in the Content Area
Education (EDSC) 4200	3		Multicultural Education
Integrated Physical Science 2010	4		Integrated Physical Science
Theology	3		Core Requirement
	18	14	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3		
English	12	Music (History)	6
Education	33	Music (Theory and Musicianship)	28
History	6	Natural Science	6
Integrated Physical Science	4	Philosophy	6
Mathematics	6	Physical Education	1
Music (Applied)	24	Theology	6
Music (Ensembles)	8	Total Semester Hours	149

## PROGRAM IN SOCIAL STUDIES EDUCATION (GRADES 6-12)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
History 1030-1040 (or 1031H-1041H)	3	3	World Civilizations
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Fine Arts		3	Core Requirement
Foreign Language	3	3	Core Requirement
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Physical Education	1		Activity Course
Political Science 1020		3	American Government
Speech Communication 1010	3		Fundamentals of Public Speaking
	16	18	

### SOPHOMORE YEAR

History 2010 – 2020	3	3	U. S. History
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2044		3	Classroom Management
Biology 1030/1030L	3		General Biology
Biology 1040/1040L or 1050		3	General Biology or Env. Biology
Economics 2010-2020	3	3	Microeconomics-Macroeconomics
English 2010-2020	3	3	World Literature
Geography 1010	3		World Geography
Political Science 1030 or 2040	3		Comp. Politics or Int. Relations
Theology		3	Core Requirement
	18	18	

### SUMMER

Philosophy	3		Core Requirement
Sociology 1010	3		Introduction to Sociology
	6		

### 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.**

Geography 2010 or 3010	3		Physical Geography or Regional Geog.
History 3040	3		History of Louisiana
History 3350-3360	3	3	African American History
History 3670		3	African History
History 4415S		3	Historiography
Education (EDUC) 3005L	0		Praxis II: Princ. of Lear. & Teach.
Education (EDSP) 2040	3		Intro. to the Exceptional Child
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
African American Studies		3	Core Requirement
Philosophy 2060 or 3250	3		Envir. Phil. or Phil. of Science
Theology		3	Core Requirement
	18	18	

**SENIOR YEAR**

History Electives	6	3000-4000 Level History Courses
Education (EDSC) 3023S	3	Special Methods: Teaching History and Social Studies
Education (EDSC) 4061T	9	Student Teaching
Education (EDSC) 4150	3	Teaching Reading in Content Area
Education (EDUC) 4060S	0	Student Teaching Seminar
Education (EDUC) 4200	3	Multicultural Education
Education (EDUC) 4999	0	Praxis II – Specialty
Free Electives	3	
	<hr/> 15	<hr/> 12

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	History	33
Biology	6	Mathematics	6
Economics	6	Philosophy	6
Education	30	Political Science	6
English	12	Sociology	3
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
Geography	6	Free Electives	<hr/> 3
Health & Physical Education	1	Total Semester Hours	<hr/> 139

**GRADUATE EDUCATION PROGRAMS**

For information about graduate programs in Education, see the Graduate Programs section of the catalog.

## DEPARTMENT OF ENGLISH

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 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 42 semester hours of English, exclusive of English 1000/1010-1020. (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 1010-1020 (or 1023H), 2010 (or 2011H), 2070, 2080, 3160, 3170, 3400, one AFAM literature course (3185, 3280, or 3290), one world literature course beyond 2010 (2020, 3175, or 3275), one English literature course pre-1800 (3010, 3021, or 3070), one English literature course post-1800 (3210, 3221, or 3270), one advanced language/composition course (2200, 3135, or 3150), one English elective, and two 4000-level English seminars.

**Minor in English** – Students electing English as a minor must earn 24 hours in English, with 18 of these hours beyond ENGL English 1000/1010-1020. ENGL 2010 (2011H) and 2020 are required and count toward the 18 hours of the minor.

**Honors in English** – 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, 2011H, and a 3000 or 4000 level English course of their choice and receive a cumulative average of 3.0 or higher for all three courses.

Students with Advanced Placement credit may take the sequence with ENGL 2011H and one more English course at the 3000 or 4000 level. A cumulative average of 3.0 or higher in these two courses will earn them Honors in English.

ENGL 1023H and 2011H satisfy the core curriculum requirements in English composition, introduction to literature, and world literature (the equivalent of ENGL 1010, 1020, and 2010). **Upon receiving a grade of "C" or better in the Freshman Honors English Sequence (ENGL 1023H and 2011H), the student will receive 3 semester hours of credit for ENGL 1010. ENGL 1020 and 2010 cannot be substituted for the Freshman Honors English Sequence; if the student elects to take either of those, he/she forfeits his/her placement in the Honors sequence. A student who earns an "A" in English 1010 may also qualify for the honors sequence. A student with credit in other than AP programs should consult the chair of English for honors consideration.**

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.

### MINOR IN CREATIVE WRITING

The Creative Writing program is committed to encouraging 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; and (5) 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 them for careers in college teaching. Other career directions may include education, writing literature, magazine writing, publishing, journalism, languages, communications, business, and technical and scientific writing.

The minor in Creative Writing consists of eighteen (18) hours. Students completing this minor are required to take:

WRIT 1050                      Introduction to Creative Writing

At least two of the following:

WRIT 2050                      Poetry Workshop  
 WRIT 2060                      Fiction Workshop  
 WRIT 2070                      Literary Nonfiction Workshop  
 WRIT 2080                      Dramatic Writing

At least one of the following:

WRIT 3060                      Special Topics  
 WRIT 4050                      Writing Seminar  
 WRIT 4060                      Creative Thesis

WRIT/ENGL 2141, 2143 Journal Practicum also counts towards the minor.

Students may repeat any course, except WRIT 1050, one time.

A grade of "C" or better must be earned in all courses taken in the minor.

### PROGRAM IN ENGLISH

#### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
English 1000/1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilization
Mathematics 1010	3		Modern Math
Philosophy		3	Core Requirement
Physical Education	1		Activity Course or Test
Speech Communication 1010	3		Fundamentals of Speech
Theology		3	Core Requirement
	16	15	

### SOPHOMORE YEAR

English 2010	3		World Literature
English 2070-2080	3	3	British Literature
English 2020 or Elective*		3	World Literature or Free/Minor*
English 2200 or Elective**		3	Grammar or Free/Minor**
African American Studies	3		Core Requirement
Fine Arts		3	Core Requirement
Natural Science	3	3	Core Requirement
Philosophy	3		Core Requirement
	15	15	

\*Students may take English 2020 in the sophomore year or in the senior year if they take either 3175 or 3275.

\*\*Students may take English 2200 in the sophomore year or in the junior year they may take either 3135 or 3150.

### JUNIOR YEAR

English 3160-3170	3	3	Survey of American Literature
English 3010 or 3021 or 3070	3		Pre-1800 English Literature
English 3210 or 3221 or 3270		3	Post-1800 English Literature
English 3185 or 3280 or 3290		3	African American Literature
English 3135 or 3150 or Elective***	3		Language/Composition/Free/Minor***
Social Science	3	3	Core Requirement
Theology		3	Core Requirement
Electives	3	3	(Free/minor)
	18	15	

\*\*\*If a student has taken ENGL 2200, 3135 and or 3150 need not be taken.

### SENIOR YEAR

English 3400		3	Critical Theory
English 3175 or 3275 or Elective****	3		World Literature/Free/Minor****
English 4010 or 4020 or 4030 or 4040 or 4050	3	3	Seminar
English Elective	3		
English 4999		0	Senior Comprehensives
Electives	9	10	(Free/minor)
	18	16	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3		
English	48	Physical Education	1
Fine Arts	3	Speech Communication	3
Foreign Language	6	Social Sciences	6
History	6	Theology	6
Mathematics	3	Minor	18
Natural Sciences	6	Free Electives	13
Philosophy	6	Total Semester Hours	128

**PROGRAM IN ENGLISH/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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
Fine Arts		3	Core Requirement
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education	1		Core Requirement
	16	15	

**SOPHOMORE YEAR**

English 2010-2020	3	3	World Literature
English 2070-2080	3	3	British Literature
English 2200	3		Modern English Grammars
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2044		3	Classroom Org. & Management
Natural Science	3	3	Core Requirement
Philosophy		3	Core Requirement
Social Sciences	3		Core Requirement
Theology*	3		Core Requirement
Free Electives		1	Core Requirement
	18	16	

\*Students must take either Theology 1100 or 1120.

**SUMMER**

Theology**	3	Core Requirement
Free Electives	3	Core Requirement
	6	

\*\*Students must take one of the following: THEO 2002, 2021, 2022, 2100, 2200, 2410, 2440, 2600, 3060, 3200, 3300, 3370, 3800, 38750.

### 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.**

English 3040 or 3050	3		Shakespeare
English 3160-3170	3	3	American Literature
English 3310	3		Rhet., Comp. & Tchng of Writing
English 3320		3	Critical App. to Teaching Lit.
English Elective***	3	3	
Education (EDSP) 2040		3	Introduction to Exceptional Chil.
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040	3		Educational Psychology
African American Studies		3	Core Requirement
Philosophy 3250		3	Philosophy of Science
	15	18	

\*\*\*Students must take 3 hours (a total of 6) from two of the following groups: (Engl 3185, 3280, 3290; (2) ENGL 3010, 3021, 3970; (3) ENGL 3210, 3221, 3270.

### SENIOR YEAR

English 4010/4020/4030/4040/4050	3	3	Seminar
English 3135	3		Language: History & Theory
English Elective	3		
English 4999		0	Senior Comprehensives
Education (EDSC) 4061T		9	Student Teaching
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDUC) 4090	3		Adolescent Psychology
Education (EDUC) 4200	3		Multicultural Education
	15	12	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Natural Science	6
Education	24	Philosophy	6
English	52	Physical Education	1
Fine Arts	3	Social Sciences	3
Foreign Language	6	Speech Communication	3
History	6	Theology****	6
Mathematics	6	Free Electives	4
		Total Semester Hours	131

\*\*\*\*Students must take either Theology 1100 or 1120, and one of the following: THEO 2002, 2021, 2022, 2100, 2200, 2410, 2440, 2600, 3060, 3200, 3300, 3370, 3800, 38750 to fulfill the Theology requirement.

## **DEPARTMENT OF HISTORY**

The Department of History is dedicated to the humanistic study of the past for a better understanding of the present. This discipline requires the ability to analyze complex issues, events and ideas. The history major also requires skill in written expression.

In addition to satisfying the goals of the Core Curriculum, the program in history equips students with a broad historical background and intellectual skills needed in a wide variety of professions, including those in government service, law, business, museum and archival careers, college teaching and professional research.

Students who major in history must earn 30 hours in history, exclusive of the core requirements of HIST 1030-1040 and African American Studies. Of these 30 hours, the following are required: HIST 2010, 2020, 2415, and 4415S. Of the remaining eighteen hours, fifteen hours must be at the 3000-4000 level and must include three hours in African American history, three hours in United States history, three hours in European history, and three hours in Developing World history. At least one of these courses must be at the 4000 level. In addition, all majors are required to pass the department's comprehensive examination and attend monthly 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 21 hours in history. Required courses are HIST 1030-1040 and 2010-2020. The additional 9 semester hours must include at least 3 semester hours at the 3000-4000 level. No grade lower than a "C" in any of the departmental offerings may be applied for credit in the minor.

Students majoring in Social Studies Education must earn 27 hours in history exclusive of the core requirements of HIST 1030-1040 and AFAM Studies. The following are required: HIST 2010, 2020, 3040, 3350, 3360, 3670, and 4415S. The remaining six hours in history must be selected from 3000-4000 level courses.

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. They are not required to take the department's comprehensive examination in history.

**Honors in History** – Students selected by the placement process of the Admissions Office to take HIST 1031H–HIST 1041H may graduate with honors in history designation on their transcripts if they take these courses and an additional history course at the 3000 or 4000 level. Students must earn a grade of at least a "B" in all three courses.

## PROGRAM IN HISTORY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
History 1030-1040(or 1031H-1041H)	3	3	World Civilizations
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics	3		Core Requirement
Foreign Language	3	3	Core Requirement
Physical Education		1	Activity Course or Test
Social Sciences*	3	3	Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
	15	16	

\*Course to be chosen from ECON 1030, PSCI 1010, PSCI 1020, PSYC 1010, or SOCI 1010. Students who wish to take ECON 2010, or ECON 2020 will substitute a 1000-level social science course in the freshman year and take the higher-level course in the sophomore year.

### SOPHOMORE YEAR

History 2010 -2020	3	3	United States History
History 2415	3		Intro. to Historical Research & Writing
English 2010-2020	3	3	World Literature
Fine Arts		3	Core Requirement
Natural Science	3	3	Core Requirement
Philosophy		3	Core Requirement
Minor	3	3	
	15	18	

### JUNIOR YEAR

History Electives	6	6	History electives
African American Studies	3		Core Requirement
Philosophy	3		Core Requirement
Social Science		3	Social Science elective
Theology	3	3	Core Requirement
Minor	3	3	
Free Electives		3	
	18	18	

### SENIOR YEAR

History 4415S		3	Seminar in Historical Research
History Electives	3	3	
History 4999	0		Senior Comprehensives
Minor	6		
Free Electives	6	7	
	15	13	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3		
English	12	Physical Education	1
Fine Arts	3	Speech	3
Foreign Language	6	Social Sciences	9
History	36	Theology	6
Mathematics	3	Minor	18
Natural Sciences	6	Free Electives	16
Philosophy	6	Total Semester Hours	128

## PROGRAM IN SOCIAL STUDIES EDUCATION (GRADES 6-12)

**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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.**

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
History 1030-1040 (or 1031H-1041H)	3	3	World Civilizations
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Fine Arts		3	Core Requirement
Foreign Language	3	3	Core Requirement
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Physical Education	1		Activity Course
Political Science 1020		3	American Government
Speech Communication 1010	3		Fundamentals of Public Speaking
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	16	18	

### SOPHOMORE YEAR

History 2010 – 2020	3	3	U. S. History
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDUC) 2044		3	Classroom Management
Biology 1030/1030L	3		General Biology
Biology 1040/1040L or 1050		3	General Biology or Env. Biology
Economics 2010-2020	3	3	Microeconomics-Macroeconomics
English 2010-2020	3	3	World Literature
Geography 1010	3		World Geography
Political Science 1030 or 2040	3		Comp. Politics or Int. Relations
Theology		3	Core Requirement
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	18	18	

### SUMMER

Philosophy	3		Core Requirement
Sociology 1010	3		Introduction to Sociology
	<hr style="width: 50%; margin-left: 0;"/>		
	6		

### 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.**

Geography 2010 or 3010	3		Physical Geography or Regional Geog.
History 3040	3		History of Louisiana
History 3350-3360	3	3	African American History
History 3670		3	African History
History 4415S		3	Historiography
Education (EDUC) 3005L	0		Praxis II: Princ. of Lear. & Teach.
Education (EDSP) 2040	3		Intro. to the Exceptional Child
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
African American Studies		3	Core Requirement
Philosophy 2060 or 3250	3		Envir. Phil. or Phil. of Science
Theology		3	Core Requirement
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	18	18	

**SENIOR YEAR**

History Electives	6	3000-4000 Level History Courses
Education (EDSC) 3023S	3	Special Methods: Teaching History and Social Studies
Education (EDSC) 4061T	9	Student Teaching
Education (EDSC) 4150	3	Teaching Reading in Content Area
Education (EDUC) 4060S	0	Student Teaching Seminar
Education (EDUC) 4200	3	Multicultural Education
Education (EDUC) 4999	0	Praxis II – Specialty
Free Electives	3	
	<hr/> 15	<hr/> 12

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	History	33
Biology	6	Mathematics	6
Economics	6	Philosophy	6
Education	30	Political Science	6
English	12	Sociology	3
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
Geography	6	Free Electives	<hr/> 3
Health & Physical Education	1	Total Semester Hours	<hr/> 139

## **DEPARTMENT OF LANGUAGES**

Language is the gatekeeper and conveyor of culture. 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.

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 French and Spanish and stresses their importance as bases for communication by peoples of color. All students considering a major in languages MUST confer with a departmental advisor so that their curriculum can be appropriately designed and will be inclusive of both skills and content courses.

The Core Curriculum requires that most students earn six semester hours in one language other than English. 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 have several placement options: (1) Advanced Placement (AP) credit from high school (3-6 hours); and (2) CLEP credit (6 hours). Students with six hours of AP or CLEP credits may use these credits as electives or to meet the core requirement as well as for placement in upper level language courses. All students enrolling in any courses in the Department of Languages must take the departmental WebCAPE Placement Examination. Without the written permission of the department chair, students with three or more years of a language in high school may NOT enroll in the 1010-1020 sequence of that language. They may enroll in the 1010-1020 sequence in a different language.

Instructors in the Department of Languages are committed to the incorporation of instructional technology, experiential learning, and inter-departmental collaboration. Increasing use of the Internet, both in the classroom and in laboratory assignments, makes available the world-wide resources of technology. By taking advantage of the many cultural resources of New Orleans and south Louisiana, students can participate in multicultural learning experiences involving language practice.

Language majors and minors have access to summer, semester, and year-abroad international study through the Center for International and Intercultural Programs (CIIP). All students are urged to take advantage of this opportunity. Most upper-level students 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 of Teachers of Foreign Languages (ACTFL).

The Department of Languages offers majors and minors in French and Spanish. The major requires 30 semester credit hours in the target language beyond 1010-1020. Coursework may be taken through study abroad. Eighteen hours of major courses and 12 hours of minor courses must be completed at Xavier, unless the student obtains permission from the department chair and the Dean of the College of Arts and Sciences. Students interested in majoring 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 including minors should take at least one literature course, including before and during foreign study. Majors are required to attend all departmental meetings and 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. Minors are required to complete 18 hours of courses in one language, six hours of which must be at the 3000 level or above and should include a course on literature. Students desiring a double concentration in languages must complete 12 hours each in two languages.

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.

#### **PLACEMENT POLICY**

Every student entering Xavier University of Louisiana with previous language study at the secondary level MUST take the WebCAPE Departmental Placement Examination. The recommended placement in language classes is based upon the student's score. In many cases, students with three or more years of language study at the secondary level are placed in 1020. Students with exceptionally strong backgrounds, or those who have studied or resided abroad, may be placed in the 2010 or 2020 course. After satisfactorily completing the placement course with a grade of "C" or better, the student will receive credit for the course immediately preceding the placement course.

In very rare cases, a student may be qualified to enroll directly in the 3000 level. This student is usually either a native speaker or one with exceptional intensive language training or study abroad experience. In such cases, if the student completes the 3000 level course with a grade of "C" or better, credit will be given for the 2020 class.

### **PROGRAM IN FRENCH OR SPANISH**

#### **FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Language 1010-1020 or 2010-2020	3	3	Elementary or Intermediate
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics Electives	3	3	Core Requirement/Elective
History 1030-1040	3	3	, World Civilization
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education		1	Activity Course or Test
Theology		3	Core Requirement
	15	16	

**SOPHOMORE YEAR**

Language 2010-2020, 3001-3002, or 3011-3012			Intermediate Language, Advanced Grammar, or Advanced Conversation
African American Studies	3		Core Requirement
English 2010-2020	3	3	World Literature I & II
Fine Arts		3	Core Requirement
Natural Science	3	3	Core Requirement
Philosophy		3	Core Requirement
Theology	3		Core Requirement
Minor	3	3	Minor
	18	18	

**JUNIOR YEAR, With Study Abroad**

Language courses (see advisor)	12		Study Abroad
Free or Language Electives	4	3	
Language Elective		3	Internship or Literature
Philosophy		3	Core Requirement
Social Science		3	Core Requirement
Minor		3	Minor
	16	15	

**JUNIOR YEAR, Without Study Abroad**

Language 3001-3002 and/or 3011-3012		3	Grammar & Composition, and/or Advanced Conversation
Language Literature Elective or Free Elective	3	3	
Philosophy	3		Core Requirement
Social Science	3	3	Core Requirement
Minor	3	3	Minor
Free Elective	1	3	Free Elective
	16	15	

**SENIOR YEAR**

Language 4053	3		Literary Criticism
Language 4050 or Language Lit Elective or Social Science		3	Internship or Language Elective or Social Science (study abroad participants)
Language Literature Elective	3	3	Language Elective
Language 4999		0	Senior Comprehensives
Minor	3	3	Minor
Free Electives	6	6	
	15	15	

**SUMMARY**

	<b>Semester Hours</b>			<b>Semester Hours</b>
African American Studies	3			
English	12		Physical Education	1
Fine Arts	3		Speech Communication	3
Language	30/36		Social Sciences	6
History	6		Theology	6
Mathematics	6		Minor	18
Natural Sciences	6		Free Electives	22/16
Philosophy	6		Total Semester Hours	128

**PROGRAM IN FOREIGN LANGUAGE EDUCATION  
(GRADES K-12)  
(FRENCH OR SPANISH EDUCATION)**

**French or 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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Language 1010-1020, 1020-2010, or 2010-2020	3	3	Elementary or Intermediate (French/Spanish)
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
Biology 1030/1030L-1040/1040L	3	3	General Biology
History 1030	3		World Civilization
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Physical Education	1		Core Requirement
Social Sciences		3	Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
	16	18	

**SUMMER**

Philosophy	3	Core Requirement
	3	

**SOPHOMORE YEAR**

Language 2010-2020, 3010-3020, or 2020-3 hr. 3000-level course	3	3	Interm. (Fren/Span), Gram-Comp, or Interm II-3000-level course
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDSP) 2040	3		Intro. to Exceptional Children
African American Studies		3	Core Requirement
English 2010-2020	3	3	World Literature
History 1030-1040	3	3	Western Civilizations
Integrated Physical Science 2010	4		Integrated Physical Science
Social Science		3	Core Requirement
Theology		3	Core Requirement
	18	18	

### 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.**

THE FOLLOWING JUNIOR YEAR CURRICULUM IS **REQUIRED** FOR ALL FRENCH EDUCATION MAJORS. SPANISH EDUCATION MAJORS MAY ALSO OPT FOR THIS JUNIOR YEAR CURRICULUM.

Language (See Advisor)	12		Study Abroad
Language 4050 or 4051		3	Internship or Special Topics
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040		3	Educational Psychology
Education (EDSC) 4150		3	Teaching Reading in the Content Areas
Fine Arts		3	Core Requirement
Philosophy		3	Core Requirement
Theology		3	Core Requirement
Free Elective	3		Core Requirement
	15	18	

THE FOLLOWING JUNIOR YEAR CURRICULUM IS FOR SPANISH EDUCATION MAJORS WHO DO NOT ELECT THE STUDY ABROAD OPTION ABOVE.

Language 3001-3002 or Elective	3	3	Grammar/Comp. Or Elective
Language 3011-3012 or Elective	3	3	Conversation or Elective
Language 4051 or 4052		3	Special Topics
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040	3		Educational Psychology
Education (EDSC) 4150		3	Teaching Reading in the Content Areas
Fine Arts		3	Core Requirement
Philosophy	3		Core Requirement
Theology		3	Core Requirement
Free Elective	3		Core Requirement
	15	18	

### SENIOR YEAR

Language 4080	3		Language Teaching Methodology
Language 4052 or 4033	3		Special Topics or Directed Rdngs
Language Elective	3		Language Elective
Language 4999	0		Senior Comprehensives
Education (EDSC) 3023	3		Special Methods
Education (EDSC) 4061T		9	Student Teaching
Education (EDUC) 2044	3		Classroom Org. & Management
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDUC) 4090	3		Adolescent Psychology
Education (EDUC) 4200		3	Multicultural Education
Education (EDUC) 4999		0	Senior Comprehensives- PRAXIS
			Content Exam
	18	12	

### SUMMARY

	Semester Hours			Semester Hours
African American Studies	3		Languages	36
Biology	6		Mathematics	6
Education	33		Philosophy	6
English	12		Social Sciences	6
Fine Arts	3		Speech Communication	3
Physical Education	1		Theology	6
History	6		Free Electives	3
Integrated Physical Science	4		Total Semester Hours	134

## DEPARTMENT OF MATHEMATICS

The Department of Mathematics offers three majors:

Mathematics  
Mathematics Education  
Statistics

The Mathematics major 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, or sociology fits one for a number of career choices as well as for graduate school. Mathematics majors take 42 semester hours of mathematics, 3 semester hours of statistics, and 3 semester hours of computer science.

The Mathematics Education degree fulfills all the requirements for a state teaching certificate in addition to providing 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. Mathematics Education majors take 31 semester hours of mathematics, 33 semester hours of education, 3 semester hours of statistics, and 3 semester hours of computer science. In addition, the program provides graduates with certification in one of the following secondary teaching areas: Biology, Chemistry, or Physics.

The Statistics degree is offered in cooperation with the Louisiana State University Health Science Center in New Orleans (LSUHSC). The Statistics 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 five years. This program contains 27 semester hours of mathematics, 59 semester hours of statistics, and 3 semester hours of computer science. 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, students in each major must pass a written comprehensive examination. For Mathematics and Mathematics Education majors, the examination covers mathematics courses required in the programs; for Statistics majors, 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 "C" or better. Furthermore, all students in these programs are required to attend all departmental meetings.

**Minor in Mathematics** -- The minor in mathematics consists of eighteen (18) semester hours of mathematics of which at least 8 must be at the 2000-level or above. The calculus sequence (MATH 1070-2070-2080) is strongly recommended as part of the minor program. Students planning to minor in mathematics should be advised by the mathematics chairperson or a faculty member whom the chair designates as well as by their primary academic advisor.

**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 course work that satisfy these requirements are third semester calculus (MATH 2080); basic statistics with a technology lab (STAT 2010 and STAT 2150L); MATH 2030 or MATH 2530 or MATH 2050 together with a technology lab (MATH 2160L), or the two semesters of seminar (MATH 2511S and MATH 2521S). 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 Program**-- The following policies apply to the statistics major:

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 Biometry and Genetics, 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 9 semester hours of courses to be taken at LSUHSC, and
  - b. In the spring semester, students will register at Xavier for 6 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 and pay 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, 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 this program is contingent upon approval of the Department of Biometry and Genetics at LSUHSC.
5. To graduate from LSUHSC with an M.S. degree from the Department of Biometry and Genetics, 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 Biometry and Genetics.

## PROGRAM IN MATHEMATICS

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Mathematics 1070-2070	4	4	Intro. Calculus/Calculus II
Computer Science		3	Computer Science Elective
English 1010-1020	3	3	Comp and Rhetoric/Comp & Lit.
Philosophy 2040	3		Logic
Speech Communication 1010		3	Fundamentals of Public Speaking
Physical Education		1	Activity Course or Test
Social Science	3		Core Requirement
Freshmen Studies	0	0	
	13	14	

### SOPHOMORE YEAR

Mathematics 2080	4		Calculus III
Mathematics 2030		3	Linear Algebra
Mathematics 2530		3	Differential Equations
Mathematics 2550-2560	3	3	Discrete Structures I & II
Statistics 2010	3		Statistical Methods I
African American Studies		3	Core Requirement
English 2010	3		World Literature I
Foreign Language	3	3	Core Requirement
		3	Core Requirement
Minor			
	16	18	

### JUNIOR YEAR

Mathematics 2150L or 2160L		1	Math/Stat Technology Lab
Mathematics 4050-4060	3	3	Advanced Calculus
Mathematics Elective*		3	
History 1030-1040	3	3	World Civilizations
Philosophy		3	Recommended: Bus. Ethics or Philosophy of Science
Natural Science	3	3	Core Requirement
Theology	3		Core Requirement
Minor	6		
Free Electives		2	
	18	18	

### SENIOR YEAR

Mathematics 4095/4095D	3/0		Abstract Algebra
Mathematics Elective		3	
Mathematics 4511-4521	1	1	Colloquium
Mathematics 4999		0	Senior Comprehensives
Fine Arts	3		Core Requirement
Theology		3	Core Requirement
Social Science		3	
Minor	6	3	
Free Electives	3	3	
	16	16	

\*Mathematics elective must be mathematics or statistics course(s) at the 2000-level or above.

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Computer Science	3	Physical Education	1
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Statistics	3
History	6	Theology	6
Mathematics	42	Minor	18*
Natural Science	6	Free Electives	8
		Total Semester Hours	129

\*These hours are to be used by the student to help fulfill the requirement for a minor. For some choices of a minor, like Computer Science, only 15 of these 18 hours will be needed since 3 hours are already listed as a requirement. In such a case, the other 3 hours will be free electives.

## PROGRAM IN STATISTICS

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Mathematics 1070-2070	4	4	Intro. Calculus/ Calculus II
Computer Science 1710		3	Computer Science Elective
English 1010-1020	3	3	Comp and Rhetoric/Comp & Lit.
Philosophy 2040	3		Logic
Physical Education	1		Activity Course or Test
Social Science	3	3	Core Requirement
Speech Communication 1010	3		Fundamentals of Public Speaking
Theology		3	Core Requirement
Freshmen Studies	0	0	
	17	16	

### SOPHOMORE YEAR

Statistics 2010-2020	3	3	Statistical Methods I & II
Mathematics 2080	4		Calculus III
Mathematics 2030		3	Linear Algebra
Mathematics 2530		3	Differential Equations
Mathematics 2550-2560	3	3	Discrete Structures I & II
Biology 1230/1230L - 1240/1240L	4	4	General Biology
English 2010	3		World Literature I
	17	16	

### JUNIOR YEAR

Statistics 2150L		1	Statistics Technology Lab
Statistics 3010	3		Biostatistics
Statistics 3051-3061	3	3	Mathematical Statistics
Statistics 4511-4521	1	1	Colloquium
Mathematics 3040		3	Numerical Analysis
Fine Arts	3		Core Requirement
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
African American Studies		3	Core Requirement
Free Elective	2		
	18	17	

**SENIOR YEAR**

Statistics 4999		0	Senior Comprehensives
Philosophy 2400	3		Health Ethics
Theology		3	Core Requirement
LSUHSC: BIOS 6221-6222	3	3	Biostatistical Methods I & II
LSUHSC: BIOS 6223-6224	3	3	Probability and Math. Stat. I & II
LSUHSC: BIOS 6264		3	Clinical Trials and Sequential Meth.
LSUHSC: EPID 6210	3		Principles of Epidemiology
LSUHSC: INT 220	1		Ethics in Biomedical Sciences
LSUHSC: INT 260		1	Responsible Conduct of Research
Free Electives	3	3	
	<u>16</u>	<u>16</u>	

**SUMMARY of B.S. PROGRAM AT XAVIER**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Mathematics	27
Biology	8	Philosophy	6
Computer Science	4	Physical Education	1
English	9	Social Sciences	6
Epidemiology	3	Speech Communication	3
Ethics	2	Statistics	33
Fine Arts	3	Theology	6
Foreign Language	6	Free Electives	8
History	6	Total Semester Hours	<u>133</u>

**FIFTH YEAR AT LSUHSC**

LSUHSC: BIOS 6298	1	1	Seminar in Biostatistics
LSUHSC: BIOS 6244	3		Analysis of Categorical Data
LSUHSC: BIOS 6281	3		Survival Analysis
LSUHSC: BIOS 6296	1	1	Statistical Consulting
LSUHSC: BIOS 6241		3	Sampling Methods
LSUHSC: BIOS6250		3	Multivariate Methods
LSUHSC: Related Elective	2		
LSUHSC: Thesis Research	3	3	
	<u>13</u>	<u>11</u>	

**SUMMARY OF M.S. PROGRAM AT LSUHSC**

Biostatistical Methods and Theory	29
Biostatistics Seminar	2
Epidemiology	3
Ethics	2
Related Electives	2
Thesis Research	<u>6</u>
Total Semester Hours	44

## PROGRAM IN MATH EDUCATION (GRADES 6-12) (Secondary Teaching Area: Biology, Chemistry, or Physics)

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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Mathematics 1070-2070	4	4	Intro to Calculus/Calculus II
Mathematics 2550		3	Discrete Structures I
Education 1000	0		Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
History 1030-1040	3	3	World Civilizations
Philosophy 2040	3		Logic
Physical Education		1	Core Requirement
Social Sciences	3		Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
	16	17	

### SOPHOMORE YEAR

Mathematics 2030		3	Linear Algebra
Mathematics 2080	4		Calculus III
Mathematics 2560	3		Discrete Structures II
Statistics		3	Statistical Methods
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
Education (EDSP) 2040	3		Intro. To Exceptional Children
Education (EDUC) 2044		3	Classroom Management
African American Studies		3	Core Requirement
English 2010	3		World Literature I
Natural Science*	3	3	Core Requirement
Theology		3	Core Requirement
Free Electives	2		Core Requirement
	18	18	

### 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.

Mathematics 2160L		1	Mathematics Technology Lab
Mathematics 4010	3		Modern Geometry
Mathematics 4030		3	History of Mathematics
Mathematics 4095/4095D	3/0		Abstract Algebra
Education (EDUC) 3005L	0		Praxis II: Princ. of Learn. & Teach.
Education (EDSC) 3023-3023M	3	3	Special Methods I
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
Computer Science elective	3		
Fine Arts		3	Core Requirement
Natural Science*		3	
Secondary Teaching Area*	3		
	18	16	

**SENIOR YEAR**

Mathematics 4999		0	Senior Comprehensives
Education (EDUC) 3005L	0		Praxis: Content Area
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDSC) 4061T		9	Student Teaching
Education (EDSC) 4150	3		Teaching Reading in the Content Area
Education (EDUC) 4200		3	Multicultural Education
Philosophy 3250	3		Philosophy of Science
Secondary Teaching Area*	7		
Theology	3		Core Requirement
Free Electives	1		
	<u>17</u>	<u>12</u>	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Philosophy	6
Computer Science	3	Physical Education	1
Education	33	Secondary Teaching Area*	10
English	9	Social Sciences	3
Fine Arts	3	Speech Communication	3
History	6	Statistics	3
Mathematics	31	Theology	6
Natural Sciences	9	Free Electives	3
		Total Semester Hours	<u>132</u>

\*In order to meet the requirements of the secondary teaching area of Biology, Chemistry, or Physics, all 19 hours (Natural Science and Secondary Teaching Area) must be in the respective discipline.

## DEPARTMENT OF MUSIC

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 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 (See Education 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 chairperson 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 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 3 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 careers.
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 pass 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 5 members of the full-time faculty.
  - **Section III** of the Music Comprehensive Exam involves an option where the Music Liberal Arts major may choose to either give a Senior Recital or 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 chair. Approval for the final presentation will be given by the chair after consultation with the supervising faculty member.
10. National Teachers Exam: Music Education majors must pass the music portion of the National Teachers 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 each semester.
3. The University Chorus and the Symphonic Band are the primary 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 chair 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 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.

### **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.

### **Minor in Music**

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:

MUST 1030 & 1030L	4 semester hours
MUSH 1050 & 1070	6 semester hours
Major Applied Study*	2 semester hours
Ensemble Membership**	2 semester hours

\*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.

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

### **Honors in Music Theory**

1. To be eligible for this honor, the student should be a music major who has completed 20 hours in music theory with a minimum GPA in theory of 3.5 by the first half of the senior year.
2. The student who elects to complete this program must apply to the departmental chair who will review that student's record, give final approval for admission in the music theory honors program, and assist the student in obtaining a faculty person to supervise a final project.
3. The student must register for MUST 4500H in the final semester of the senior year. This course is a faculty supervised and approved music theory project (see course description).
4. Upon completion of one of the three honors theory projects prescribed for this course, a "pass" grade must be obtained from a majority of the Music Theory faculty.
5. The Music Theory faculty will also give a final evaluation of the student's Honors Project.

## PROGRAM IN MUSIC LIBERAL ARTS (B.A.)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Music (MUAP) Applied	2	2	Piano, Voice, or Instrument
Music (MUEN) Ensemble	1	1	Ensemble: Vocl/Instrmntl Req.
Music (MURE) 1070A-1070B	0	0	Recital Class
Music (MUSH) 1050		3	Intro. Music History & Lit. I
Music (MUST) 1030-1040	3	3	Music Theory Lecture I-II
Music (MUST) 1030L-1040L	1	1	Music Theory Lab I-II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language or Computer Science	3	3	Core Requirement
Mathematics 1010 or 1020	3		Modern Math or Basic Statistics
Physical Education		1	Activity Course or Test
Computer Competency Exam	0		A&S Requirement
University 1010-1020	0	0	Freshman Orientation
	16	17	

### SOPHOMORE YEAR

Music (MUAP) Applied	2	2	Piano, Voice, or Instrument
Music (MUEN) Ensemble	1	1	Ensemble: Vocl/Instrmntl Req.
Music (MURE) 2070A-2070B	0	0	Recital Class
Music (MUSH) 1070	3		Intro. Music History & Lit. II
Music (MUSM) 2180	2		Elementary Conducting
Music (MUST) 2030-2040	3	3	Music Theory Lecture III-IV
Music (MUST) 2030L-2040L	1	1	Music Theory Lab III-IV
African American Studies		3	Core Requirement
Natural Science	3	3	Core Requirement
History 1030		3	World Civilizations
Speech Communication 1010	3		Fundamentals of Public Speaking
Student Competency Exams		0	
	18	16	

### JUNIOR YEAR

Music (MUAP) Applied	2	2	Piano, Voice, or Instrument
Music (MUEN) Ensemble	1	1	Ensemble: Vocl/Instrmntl Req.
Music (MURE) 3070A-3070B	0	0	Recital Class
Music (MUSH) 2050 or 3050	3		Music History I or III
Music (MUST) 3090		2	Orchestration
Music (MUSM) 4010	0	1	Found. in Funct. Musc. IV
English 2010	3		World Literature
Philosophy	3		Core Requirement
Social Sciences	3	3	Core Requirement
Theology		3	Core Requirement
Minor	3	6	
	18	18	

### SENIOR YEAR

Music (MUAP) Applied	2	2	Piano, Voice, or Instrument
Music (MUEN) Ensemble	1	1	Ensemble: Vocl/Instrmntl Req.
Music (MURE) 4070A-4070B	0	0	Recital Class
Music (MUSH) 2060 or 3060		3	Music History II or IV
Music (MUSM) 4999		0	Senior Comps. or Senior Recital
Music (MUST) 3030	2		Counterpoint
Music (MUST) 3111		2	Composition I
Music (MUST) 4030	2		Analytical Techniques
Philosophy	3		Core Requirement
Theology		3	Core Requirement
Minor	3	6	
Free Elective	2		
	15	17	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Music (Musicianship)	27
Natural Science	6	Philosophy	6
English	9	Physical Education	1
Foreign Language or		Social Sciences	6
Computer Science	6	Speech Communication	3
History	3	Theology	6
Mathematics	3	Minor	18
Music (Applied)	16	Free Electives	2
Music (Ensembles)	8	Total Semester Hours	<u>135</u>
Music (History)	12		

**PROGRAM IN MUSIC PERFORMANCE –  
INSTRUMENTAL (MAJOR APPLIED)**

**FRESHMAN YEAR**

	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Music (MUAP) 1632-1642	2	2	Applied Major Instrument
Music (MUAP) 1531P-1541P	1	1	Applied Piano (Secondary)
Music (MUEN) 1910S-1920S	1	1	Ensemble: Symphonic Band
Music (MUSH) 1050		3	Intro. Music History & Lit. I
Music (MURE) 1070A-1070B	0	0	Recital Class
Music (MUST) 1030-1040	3	3	Music Theory Lecture I-II
Music (MUST) 1030L-1040L	1	1	Music Theory Lab I-II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	French, German, or Spanish
Mathematics 1010 or 1020	3		Modern Math or Basic Statistics
Physical Education		1	Activity Course or Test
Computer Competency Exam	0		A&S Requirement
University 1010-1020	0	0	Freshman Orientation
	<u>17</u>	<u>18</u>	

**SOPHOMORE YEAR**

Music (MUAP) 2632-2642	2	2	Applied Major Instrument
Music (MUAP) 2531P-2541P	1	0	Applied Piano (Secondary)
Music (MUEN) Ensemble	1	1	Ensemble: Symphonic Band
Music (MURE) 2070A-2070B	0	0	Recital Class
Music (MUSH) 1070	3		Intro. Music History II
Music (MUSM) 2180-3180	2	2	Elem. Condtnng./Adv. Condtnng.
Music (MUST) 2030-2040	3	3	Music Theory Lecture III-IV
Music (MUST) 2030L-2040L	1	1	Music Theory Lab III-IV
African American Studies		3	Core Requirement
History 1030		3	World Civilizations
Speech Communication 1010	3		Fundamentals of Public Speaking
Social Sciences		3	Core Requirement
Student Competency Exams		0	
	<u>16</u>	<u>18</u>	

### JUNIOR YEAR

Music (MUAP) 3733-3743	3	3	Applied Major Instrument
Music (MUEN) Ensemble	1	1	Ensemble: Symphonic Band
Music (MURE) 3070A-3070B	0	0	Recital Class
Music (MURE) 3000		0	Junior Recital
Music (MUSH) 2050 or 3050 or 2060 or 3060		3	Music History II or IV or I & III
Music (MUSM) 4250-4260	2	2	Applied Major Instrument- Pedagogy & Literature
Music (MUSM) 4010	0	1	Found. in Funct. Musc. IV
Music (MUST) 3030	2		Counterpoint
Music (MUST) 3090		2	Orchestration
English 2010	3		World Literature
Natural Science	3		Core Requirement
Philosophy	3		Core Requirement
Physics 1530		3	How Things Work
	<hr/>	<hr/>	
	17	15	

### SENIOR YEAR

Music (MUAP) 4834-4844	4	4	Applied Major Instrument
Music (MUEN) 4910S-4920S	1	1	Ensemble: Symphonic Band
Music (MURE) 4070A-4070B	0	0	Recital Class
Music (MURE) 4000		0	Senior Recital
Music (MUST) 4030-4040	2	0	Analytical Techniques
Music (MUST) 3111	0	2	Composition I
Social Sciences		3	Core Requirement
Philosophy	3		Core Requirement
Theology	3	3	Core Requirement
Free Elective	4	4	
	<hr/>	<hr/>	
	17	17	

### SUMMARY

Semester Hours		Semester Hours	
African American Studies	3	Natural Science	3
English	9	Philosophy	6
Foreign Language	6	Physical Education	1
History	3	Physics	3
Integrated Physical Science	3	Social Sciences	6
Mathematics	3	Speech Communication	3
Music (Applied)	25	Theology	6
Music (Ensembles)	8	Free Electives	8
Music (History)	9	Total Semester Hours	<hr/>
Music (Musicianship)	33		135

## PROGRAM IN MUSIC PERFORMANCE – PIANO

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Music (MUAP) 1733P-1743P	3	3	Applied Piano
Music (MUEN) 1310U-1320U	1	1	Ensemble: University Chorus
Music (MURE) 1070A-1070B	0	0	Recital Class
Music (MUSH) 1050		3	Intro. Music History & Lit. I
Music (MUST) 1030-1040	3	3	Music Theory Lecture I-II
Music (MUST) 1030L-1040L	1	1	Music Theory Lab I-II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	French, German, or Spanish
Mathematics 1010 or 1020	3		Modern Math or Basic Statistics
Physical Education		1	Activity Course or Test
Computer Competency Exam	0		A&S Requirement
University 1010-1020	0	0	Freshman Orientation
	<hr/>	<hr/>	
	17	18	

**SOPHOMORE YEAR**

Music (MUAP) 2733P-2743P	3	3	Applied Piano
Music (MUEN) 2310U-2320U	1	1	Ensemble: University Chorus
Music (MURE) 2070A-2070B	0	0	Recital Class
Music (MUSH) 1070	3	-	Intro. Music History & Lit. II
Music (MUSM) 2180-3180	2	2	Elem. Condtnng/Adv. Condtnng
Music (MUST) 2030-2040	3	3	Music Theory Lecture III-IV
Music (MUST) 2030L-2040L	1	1	Music Theory Lab III-IV
African American Studies		3	Core Requirement
History 1030	3		World Civilizations
Speech Communication 1010		3	Fundamentals of Public Speaking
Student Competency Exams		0	
	<hr/>	<hr/>	
	16	16	

**JUNIOR YEAR**

Music (MUAP) 3733P-3743P	3	3	Applied Piano
Music (MUEN) Elective	1	1	Ensemble: Student's Choice
Music (MURE) 3070A-3070B	0	0	Recital Class
Music (MURE) 3000	0	0	Junior Recital
Music (MUSH) 2050 or 3050 or 2060 or 3060		3	Music History I, III, II, or IV
Music (MUSM) 4270-4280	2	2	Piano Pedagogy & Literature
Music (MUST) 3030	2		Counterpoint
Music (MUSM) 4010	0	1	Found. in Funct. Musc. IV
Music (MUST) 3090		2	Orchestration
English 2010	3		World Literature
Natural Science	3		Core Requirement
Philosophy	3		Core Requirement
Physics 1530			How Things Work
Social Sciences		3	Core Requirement
	<hr/>	<hr/>	
	17	18	

**SENIOR YEAR**

Music (MUAP) 4834P-4844P	4	4	Applied Piano
Music (MUEN) Elective	1	1	Ensemble: Student's Choice
Music (MURE) 4070A-4070B	0	0	Recital Class
Music (MURE) 4000		0	Senior Recital
Music (MUST) 4030	2	0	Analytical Techniques
Music (MUST) 3111	0	2	Composition I
Philosophy	3		Core Requirement
Social Sciences		3	Core Requirement
Theology	3	3	Core Requirement
Free Elective	3	5	
	<hr/>	<hr/>	
	16	18	

**SUMMARY**

African American Studies	3	Natural Science	3
English	9	Philosophy	6
Foreign Language	6	Physical Education	1
History	3	Physics	3
Integrated Physical Science	3	Social Sciences	6
Mathematics	3	Speech Communication	3
Music (Applied)	26	Theology	6
Music (Ensembles)	8	Free Electives	8
Music (History)	9	Total Semester Hours	<hr/>
Music (Musicianship)	33		136

**PROGRAM IN MUSIC PERFORMANCE –  
VOICE (MAJOR APPLIED)**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Music (MUAP) 1632V-1642V	2	2	Applied Voice
Music (MUAP) 1531P-1541P	1	1	Applied Piano (Secondary)
Music (MUEN) 1310U-1320U	1	1	Ensemble; University Chorus
Music (MURE) 1070A-1070B	0	0	Recital Class
Music (MUSH) 1050		3	Intro. Music History & Lit. I
Music (MUST) 1030-1040	3	3	Music Theory Lecture I-II
Music (MUST) 1030L-1040L	1	1	Music Theory Lab I-II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	French, German, or Spanish
Mathematics 1010 or 1020	3		Modern Math or Basic Statistics
Physical Education		1	Activity Course or Test
Computer Competency Exam	0		A&S Requirement
University 1010-1020	0	0	Freshman Orientation
	<hr/>	<hr/>	
	17	18	

**SOPHOMORE YEAR**

Music (MUAP) 2632V-2642V	2	2	Applied Voice
Music (MUAP) 2531P-2541P	1	0	Applied Piano (Secondary)
Music (MUEN) 2310U-2320U	1	1	Ensemble; University Chorus
Music (MURE) 2070A-2070B	0	0	Recital Class
Music (MUSM) 2180	2		Elementary Conducting
Music (MUST) 2030-2040	3	3	Music Theory Lecture III-IV
Music (MUST) 2030L-2040L	1	1	Music Theory Lab III-IV
Music (MUSH) 1070	3		Intro. Music History & Lit. II
African American Studies		3	Core Requirement
English 2010		3	World Literature
Foreign Language	3	3	Second Year of First Language
Student Competency Exams		0	
	<hr/>	<hr/>	
	16	16	

**JUNIOR YEAR**

Music (MUAP) 3733V-3743V	3	3	Applied Voice
Music (MUEN) 3910U-3920U	1	1	Ensemble; University Chorus
Music (MURE) 3070A-3070B	0	0	Recital Class
Music (MURE) 3000	0	0	Junior Recital
Music (MUSH) 2050 or 3050 or 2060 or 3060		3	Music History I, III, II or IV
Music (MUSM) 3180		2	Advanced Conducting
Music (MUSM) 1200 or 2200 or 3200	1		Ital., Fr., or Ger. Diction
Music (MUSM) 4010	0	1	Found. in Funct. Musc. IV
Music (MUST) 3030	2		Counterpoint
History 1030	3		World Civilizations
Natural Science	3		Core Requirement
Philosophy	3		Core Requirement
Physics 1530			How Things Work
Social Sciences*		3	Core Requirement
	<hr/>	<hr/>	
	16	16	

<b>SENIOR YEAR</b>			
Music (MUAP) 4733V-4744V	3	4	Applied Voice
Music (MUEN) 4910U-4920U	1	1	Ensemble: University Chorus
Music (MURE) 4070A-4070B	0	0	Recital Class
Music (MURE) 4000	0	0	Senior Recital
Music (MUSM) 4210-4220	2	2	Vocal Pedagogy/Literature
Music (MUST) 4030-4040	2	0	Analytical Techniques
Music (MUST) 3111	0	2	Composition I
Philosophy	3		Core Requirement
Psychology 1010		3	Introductory Psychology
Theology	3	3	Core Requirement
Free Electives	3	2	Free Electives
	<hr/>	<hr/>	
	17	17	

<b>SUMMARY</b>			
	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Natural Science	3
English	9	Philosophy	6
Foreign Language	12	Physical Education	1
History	3	Physics	3
Mathematics	3	Psychology	3
Music (Applied)	24	Social Sciences*	3
Music (Ensembles)	8	Theology	6
Music (History)	9	Free Electives	5
Music (Musicianship)	32	Total Semester Hours	<hr/>
			133

\*To be chosen from one of the following: PSCI 1010 or 1020 or SOCI 1010 or ECON 1030, 2010, or 2020

## PROGRAM IN MUSIC EDUCATION INSTRUMENTAL OR VOCAL SUPERVISION

**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 section in this catalog for requirements to be formally admitted into Xavier's Teacher Education Program.**

<b>FRESHMAN YEAR</b>			
	<b>Semester Hours</b>		
	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	
	<b>Semester</b>	<b>Semester</b>	
Music (MUAP) Applied	2	2	Major Applied Study
Music (MUAP) Applied Piano	1	1	
Music (MUEN) 1910S-1920S or	1	1	Ensemble: Symphonic Band
Music (MUEN) 1310U-1320U			Ensemble: University Chorus
Music (MUST) 1030-1040	3	3	Music Theory Lecture I – II
Music (MUST) 1030L-1040L	1	1	Music Theory Lab I, II
Music (MUSH) 1050-1070	3	3	Intro. To Music History & Lit.
Music (MURE) 1070A-1070B	0	0	Recital Class
Education (EDUC) 1000		0	Teacher Prep
English 1010-1020	3	3	Comp & Rhet. /Comp Lit.
Mathematics 1010-1020	3	3	Modern Math/Basic Stat.
Physical Education 1070		1	Folk Dancing
	<hr/>	<hr/>	
	17	18	

**SUMMER**

Natural Science	3	3	Core Requirement
History 1030	3		World Civilizations
	<u>6</u>	<u>3</u>	

**SOPHOMORE YEAR**

Music (MUAP) Applied	2	2	Major Applied Study
Music (MUAP) Applied Piano	1	0	Secondary Piano
Music (MUEN) 2910S-2920S or	1	1	Ensemble: Symphonic Band
Music (MUEN) 2310U-2320U			Ensemble: University Chorus
Music (MURE) 2070A-2070B	0	0	Recital Class
Music (MUST) 2030-2040	3	3	Music Theory Lecture III-IV
Music (MUST) 2030L-2040L	1	1	Music Theory Lab III-IV
Music (MUSM) 2010-2020	1	1	Found. In Funct. Musicianship I-II
Education (EDUC) 2044		3	Classroom Org. & Management
Education (EDUC) 2040	3		Intro. to Exceptional Children
Education (EDUC) 2005R		0	Praxis PPST Reading
Education (EDUC) 2005W		0	Praxis PPST Writing
Education (EDUC) 2005M		0	Praxis PPST Math
English 2010-2020	3	3	World Literature
History 2010 or 2020	3		U. S. History
	<u>18</u>	<u>14</u>	

**SUMMER**

African American Studies	3		Core Requirement
Philosophy	3		Core Requirement
	<u>6</u>		

**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.**

Music (MUAP) Applied	2	3	Major Applied Study
Music (MUAP) Applied		2	Secondary Applied Study
Music (MUSM) 3010-4010	1	1	Found. In Funct. Musicianship III-IV
Music (MUEN) 3910S-3920S or	1	1	Ensemble: Symphonic Band
Music (MUEN) 3310U-3330U			Ensemble: University Chorus
Music (MURE) 3070A-3070B	0	0	Recital Class
Music (MUSM) 2180-3180	2	2	Elem. Conducting/Adv. Cndtng.
Music (MUST) 3090		2	Orchestration
Education (EDSC) 3020A-3020B	3	0	Music in Jr./Sr. High
Education (EDUC) 2025	3		Child Psychology
Education (EDUC) 3005L		0	Praxis II: Princ. of Lear. & Teach.
Education (EDUC) 3040	3		Educational Psychology
Education (EDUC) 4090		3	Adolescent Psychology
	<u>15</u>	<u>14</u>	

**SUMMER**

Philosophy	3		Core Requirement
Theology	3		Core Requirement
	<u>6</u>		

**SENIOR YEAR**

**All majors must have passed a piano proficiency test and a conducting examination before they are permitted to do the student teaching internship.**

Music (MUAP) Applied	3	2	Major Applied Study
Music (MUAP) Applied	1		Secondary Applied Study
Music (MUEN) 4910S-4920S or	1	1	Ensemble: Symphonic Band
Music (MUEN) 4310U-4320U			Ensemble: University Chorus
Music (MURE) 4070A-4070B	0	0	Recital Class
Music (MUST) 3111		2	Composition I
Education (EDSC) 4061		9	Student Teaching
Education (EDUC) 4060S		0	Student Teaching Seminar
Education (EDSC) 4150	3		Teaching Reading in the Content Area
Education (EDSC) 4200	3		Multicultural Education
Integrated Physical Science 2010	4		Integrated Physical Science
Theology	3		Core Requirement
	<hr/>	<hr/>	
	18	14	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Music (History)	6
English	12	Music (Theory and Musicianship)	28
Education	33	Natural Science	6
History	6	Philosophy	6
Integrated Physical Science	4	Physical Education	1
Mathematics	6	Theology	<hr/> 6
Music (Applied)	24	Total Semester Hours	<hr/> 149
Music (Ensembles)	8		

## **DEPARTMENT OF PHILOSOPHY**

The philosophy program is designed for students who plan to take an active leadership role in shaping a more 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 (teaching, law, business, management, public policy, etc.)

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 minor, or a combination of related courses.

The requirements for majors in philosophy are: three courses in the history of philosophy (2011, 2021, and 2031), one course in logic (2040), one course in ethics (2045, 2400, or 2410), a course in directed readings (philosophical author or topic of students' choice in consultation with the instructor), one senior seminar, and four other courses in philosophy. 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 (2270) is highly recommended.

For those students who are interested in LAW SCHOOL or are interested in learning more about the law, Legal Reasoning (3190), Philosophy of Law (3260), and the Law and Humanities Seminar (4500) are 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 16 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 16 hours of free electives to improve their quantitative skills.

Students interested in medical or dental school should begin work in the freshmen year on chemistry minor and the other courses required by medical and dental schools. The required courses are described in the Special Programs section of this catalog.

**Minor in Philosophy** – The requirements for a minor in philosophy are: three courses in the history of philosophy (2011, 2021, 2031), one course in logic (2040), one course in ethics (2045, 2400, or 2410) and one 3-hour course in philosophy.

The philosophy department participates in the interdisciplinary minor in Law and Humanities and Environmental Studies/Science. For further information, see the description of the minor in the Special Programs section in this catalog.

## PROGRAM IN PHILOSOPHY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Philosophy Elective	3		
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics*	3	3	Core Requirement /Elective
Speech Communication 1010		3	Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	16	15	

### SOPHOMORE YEAR

Philosophy 2011-2021	3	3	History of Ancient & Medieval Phil. – History of Modern Philosophy
Philosophy 2040	3		Logic
Philosophy Elective		3	
African American Studies		3	Core Requirement
Natural Sciences	3	3	Core Requirement
English 2010-2020	3	3	World Literature
Fine Arts	3		Core Requirement
Social Sciences		3	Core Requirement
Free Electives/Minor	3		
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	18	18	

### JUNIOR YEAR

Philosophy 2031		3	19 <sup>th</sup> & 20 <sup>th</sup> Century Philosophy
Philosophy 2045, 2400, or 2410	3		Ethics: General Principles, Health Ethics, or Business Ethics
Philosophy Elective **	3		
History		3	Elective
Social Sciences	3		
Theology	3		Core Requirement
Free Electives/Minor	6	9	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	18	15	

### SENIOR YEAR

Philosophy 4003	3		Directed Readings in Philosophy
Philosophy Elective		3	
Philosophy Seminar	3		Special Topics Seminar
Philosophy 4999		0	Senior Comprehensives
Theology		3	Core Requirement
Free Electives/Minor	9	7	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	15	13	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3		
English	12	Physical Education	1
Fine Arts	3	Social Sciences	6
Foreign Language	6	Speech Communication	3
History	9	Theology	6
Mathematics	6	Free Electives	16
Natural Sciences	6	Minor	18
Philosophy	33	Total Semester Hours	<hr style="width: 50%; margin-left: 0;"/>
			128

\*MATH 1020 recommended.

\*\*PHIL 3190 (Legal Reasoning), PHIL 3260 (Philosophy of Law), and Phil 4500 (Law and Humanities) are recommended for pre-law students.

### Philosophy and an Accelerated Pre-Law Program

A student majoring in Philosophy may participate in a 3 - 3 course of study with any accredited three-year law school program. In a 3 - 3 plan, the student can complete all of his/her core curriculum and major and minor requirements in three years at Xavier and then apply 30 credit hours earned in law school as his/her electives for the Xavier B.A. program. The procedure used to transfer the law credit hours is the same as the one used for transferring courses taken at another university. The student must, however, take and pass the philosophy comprehensives before entering law school in order to earn the B.A. degree.

Thus at the end of four years, the student will have completed all of his/her requirements for graduation from Xavier with a B.A. degree, and he/she will have completed one year of law school.

## PHILOSOPHY ACCELERATED "PRE-LAW" PROGRAM

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Philosophy	3		Elective
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics *	3	3	Core Requirement/Elective
Physical Education	1		Activity Course or Test
Speech Communication 1010		3	Fundamentals of Public Speaking
	16	15	

\*MATH 1020 recommended.

### SOPHOMORE YEAR

Philosophy 2011-2021	3	3	History of Ancient & Medieval Phil. – History of Modern Philosophy
Philosophy 2040	3		Logic
African American Studies		3	Core Requirement
Natural Science	3	3	Core Requirement
English 2010	3		World Literature I
Fine Arts		3	
Social Sciences	3		Core Requirement
Theology		3	Core Requirement
Minor	3	3	
	18	18	

### JUNIOR YEAR

Philosophy 2045, 2400, or 2410	3		Ethics: General Principles, Health Ethics, or Business Ethics
Philosophy 4003		3	Directed Readings in Philosophy
Philosophy 3260		3	Philosophy of Law
Philosophy 2031		3	19 <sup>th</sup> & 20 <sup>th</sup> Century Philosophy
Philosophy Electives	3	3	Legal Reasoning recommended
Philosophy 4999		0	Senior Comprehensives
Social Sciences	3		Elective
Theology	3		Core Requirement
Minor	6	6	
	18	18	

### Credits Accepted from Law School:

Free electives 25

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Physical Education	1
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	25
Mathematics*	6	Minor	18
Natural Sciences	6	Total Semester Hours	<u>128</u>
Philosophy	30		

\*MATH 1020 recommended.

## DEPARTMENT OF PHYSICS

### 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. 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 at the B.S. level. The B.S. curriculum requires the student to take a total of 138 semester hours, with at least 51 in physics and 22 in mathematics. The following courses are required for the B.S. degree:

PHYSICS: 1121, 2111, 2121, 2630, 3010, 3011, 3020, 3030, 3040, 3050, 3210, 3310L, 3320L, 3510S, 4050, 4200, 4210, 4530. Physics 3210 may be replaced with a Special Topics course in Classical Mechanics, when offered.

MATHEMATICS: 1030, 1070, 2030, 2070, 2080, 2530.

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 132 semester hours, with at least 24 in physics, 19 in mathematics and 24 in the area of specialization. The following courses are required for the B.A. degree:

PHYSICS: 1121, 2111, 2121, 3030, 3210, 3310L, 3510S, 3520S. Physics 3210 may be replaced with a Special Topics course in Classical Mechanics, when offered.

MATHEMATICS: 1030, 1070, 2030, 2070, 2080.

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. In order for a physics or mathematics course to be counted for degree credit, a student must have a "C" or better in it.

**Minor in Physics:** 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 (Physics 1121, 2111, and 2121) and 6 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 2010/2010L and 2020/2020L) and 10 hours of upper level courses from the following: 3030 (Optics), 3040 (Thermodynamics), 3050 (Modern Physics), 3310L, 3320L, 3310 or 3320 (Seminar), and 4530 (Special Topics) (Please note that Physics 4530 requires the permission of the instructor.) Other upper level courses may be possible with permission of the chair and the instructor and the proper prerequisites.

## PROGRAM: B.A. in PHYSICS

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Physics 1121		4	General Physics with Calculus
English 1010/1020	3	3	Comp & Rhetoric/Comp & Lit. (Intro to C recommended)
Computer Science elective	3		
Mathematics 1030/1070	4	4	Precalculus/Intro. Calculus
Social Science	3	3	Core Requirement
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education		1	Activity Course or Test
	16	15	

### SOPHOMORE YEAR

Physics 2111/2121	4	4	General Physics with Calculus
African American Studies		3	Core Requirement
Fine Arts		3	Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 2070-2080	4	4	Calculus II/ Calculus III
Mathematics 2030	3		Linear Algebra
Other Electives	3		
	17	17	

### JUNIOR YEAR

Physics 3030/Physics Elective	3	3	Optics/Physics Elective
Physics 3510S/3520S	1	1	Seminar
Chemistry 1010/1010L - 1020/1020L	4	4	General Chemistry
English 2010		3	World Literature I
Philosophy		3	Core Requirement
Theology	3		Core Requirement
Free Electives	6	2	
	17	16	

### SENIOR YEAR

Physics 3210		3	Mechanics-Statics
Physics 3310L		1	Advanced Physics Lab
Physics 4999		0	Senior Comprehensives
Foreign Language	3	3	Core Requirement
Philosophy	3		Core Requirement
Theology		3	Core Requirement
Other Electives	12	6	
	18	16	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3		
Chemistry	8	Physics	24
Computer Science	3	Physical Education	1
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	8
Mathematics	19	Other Electives*	21
Philosophy	6	Total Semester Hours	132

\* The B.A. Program in physics contains twenty-one semester hours of other 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.

## PROGRAM: B.S. in PHYSICS

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Physics 1121		4	General Physics with Calculus (Intro to C recommended)
Computer Science elective	3		
English 1010/1020	3	3	Comp & Rhetoric/Comp & Lit.
History 1030		3	World Civilizations
Mathematics 1030/1070	4	4	Precalculus/Intro. Calculus
Social Science	3	3	Core Requirement
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	17	17	

### SOPHOMORE YEAR

Physics 2111/2121	4	4	General Physics with Calculus
Physics 2630		3	Analytical Methods for Physics and Engineering
Chemistry 1010/1010L - 1020/1020L	4	4	General Chemistry
History 1040	3		World Civilizations
Mathematics 2070/2080	4	4	Calculus II/ Calculus III
Mathematics 2030	3		Linear Algebra
Mathematics 2530		3	Differential Equations
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	18	18	

### JUNIOR YEAR

Physics 3030/3040	3	3	Optics/Thermodynamics
Physics 3210/3020	3	3	Mech. Statics/Mech. Dynamics
Physics 3310L/3320L	1	1	Advanced Physics Lab
Physics 3010/3011	3	3	Electricity & Magnetism
Physics 3510S	1		Seminar
Physics 4530	3		Special Topics
African American Studies		3	Core Requirement
English 2010	3		World Literature I
Fine Arts		3	Core Requirement
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	17	16	

### SENIOR YEAR

Physics 3050/4050	3	3	Modern Physics/Quantum Phys.
Physics 4200/4210	1	2	Physics Projects
Physics 4530	3		Special Topics
Physics 4999		0	Senior Comprehensives
Foreign Language	3	3	Core Requirement
Philosophy	3	3	Core Requirement
Theology	3	3	Core Requirement
Free Electives	2	3	
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 50%;"/>	
	18	17	

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Chemistry	8	Physics	51
Computer Science	3	Physical Education	1
English	9	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	5
Mathematics	22	Total Semester Hours	<hr style="width: 50%; margin-left: 0;"/>
			138

### Programs in Engineering

The Department of Physics supports 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 Engineering Programs and see the information about Dual Degree Engineering Programs in this catalog.

## PROGRAM: DUAL DEGREE CIVIL ENGINEERING

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Physics 1121		4	General Physics with Calculus
Engineering 1061		3	Engineering Graphics
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics 1070-2070	4	4	Intro. Calculus, Calculus II
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	<hr/> 15	<hr/> 18	

### SOPHOMORE YEAR

Physics 2111/2121	4	4	General Physics with Calculus
Computer Science 1760		3	Intro to C Programming
English 2010	3		World Literature I
Fine Arts	3		Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 2080/2530	4	3	Calculus III/Differential Eqns.
Mathematics 2030		3	Linear Algebra
	<hr/> 17	<hr/> 16	

### JUNIOR YEAR

Engineering 2210/2020	3	3	Mech. Statics/Dynamics
Engineering 2120		3	Network Analysis
Engineering 2630		3	Analytical Methods
Physics 3310L or 3320L	1		Advanced Physics Lab
Physics 3510S or 3520S	1		Seminar
Physics Elective*	3		Physics 3xxx or 4xxx
Philosophy 2040/xxxx	3	3	Logic/Philosophy Core Req.
Social Science or Foreign Language	3	3	Core Requirement
Theology	3	3	Core Requirement
	<hr/> 17	<hr/> 18	

### SUMMARY

	Semester Hours		Semester Hours
Chemistry	8	History	6
Computer Science	3	Mathematics	18
Engineering	15	Philosophy	6
English	9	Physics	17
Fine Arts	3	Physical Education	1
Foreign Language or Social Sciences	6	Speech Communication	3
		Theology	<hr/> 6
		Total Semester Hours	<hr/> 101

**Note: Civil Engineering students who wish to receive a B.S. degree in Physics from Xavier University of LA must satisfy the following requirements in addition to the above:**

### B. S. Degree in Physics

Physics 3030-3040	6
Physics 3050-4050	6
Courses taken in Engineering School	<u>16</u>
Total hours	28

\*For students pursuing the B.S. degree in Physics, the Physics Elective must be a 3000- or 4000-level Physics course, and it **cannot** be one of the above courses listed as a requirement of the B.S. degree in Physics.

## PROGRAM: DUAL DEGREE ELECTRICAL ENGINEERING

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Physics 1121-2111	4	4	General Physics with Calculus
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics 1070-2070	4	4	Intro. Calculus, Calculus II
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	<u>15</u>	<u>18</u>	

### SOPHOMORE YEAR

Engineering 2630		3	Analytical Methods
Engineering 2020		3	Dynamics
Physics 2121	4		General Physics with Calculus
English 2010	3		World Literature I
Fine Arts	3		Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 2080/2530	4	3	Calculus III/Differential Eqns.
Mathematics 2030		3	Linear Algebra
	<u>17</u>	<u>15</u>	

### JUNIOR YEAR

Engineering 2120		3	Network Analysis
Physics 3010-3011	3	3	Electricity & Magnetism I & II
Physics 3310L or 3320L	1		Advanced Physics Lab
Physics 3510S or 3520S	1		Seminar
Physics Elective*	3		Physics 3xxx or 4xxx
Computer Science 1760		3	Intro to C Programming
Philosophy 2040/xxxx	3	3	Logic/Philosophy Core Req.
Social Science or Foreign Language	3	3	Core Requirement
Theology	3	3	Core Requirement
	<u>17</u>	<u>18</u>	

### SUMMARY

	Semester Hours		Semester Hours
Chemistry	8	History	6
Computer Science	3	Mathematics	18
Engineering	9	Philosophy	6
English	9	Physics	23
Fine Arts	3	Physical Education	1
Foreign Language or		Speech Communication	3
Social Sciences	6	Theology	6
		Total Semester Hours	101

**Note: Electrical Engineering students who wish to receive a B.S. degree in Physics from Xavier University of LA must satisfy the following requirements in addition to the above:**

#### B. S. Degree in Physics

Physics 3030-3040	6
Physics 3050-4050	6
Courses taken in	
Engineering School	16
Total hours	28

\*For students pursuing the B.S. degree in Physics, the Physics Elective must be a 3000- or 4000-level Physics course, and it **cannot** be one of the above courses listed as a requirement of the B.S. degree in Physics.

## PROGRAM: DUAL DEGREE ENVIRONMENTAL ENGINEERING

### FRESHMAN YEAR

	Semester Hours	
	1 <sup>st</sup>	2 <sup>nd</sup>
	Semester	Semester
Physics 1121	4	General Physics with Calculus
Engineering 1061	3	Engineering Graphics
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4
English 1010-1020	3	3
Mathematics 1070-2070	4	4
Speech Communication 1010	3	Intro. Calculus, Calculus II
Physical Education	1	Fundamentals of Public Speaking
	15	18

### SOPHOMORE YEAR

Physics 2111/2121	4	4	General Physics with Calculus
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry
History 1030-1040	3	3	World Civilizations
Mathematics 2080/2030	4	3	Calculus III/Linear Algebra
Social Science or Foreign Language	3	3	Core Requirement
	18	17	

### JUNIOR YEAR

Engineering 2210/2020	3	3	Mech. Statics/Dynamics
Engineering 2630		3	Analytical Methods
Physics 3310L or 3320L	1		Advanced Physics Lab
Physics 3510S or 3520S	1		Seminar
Computer Science 1760		3	Intro to C Programming
English 2010	3		World Literature I
Fine Arts		3	Core Requirement
Mathematics 2530	3		Differential Equations
Philosophy 2040/xxxx	3	3	Logic/Philosophy Core Req.
Theology	3	3	Core Requirement
	<hr/>	<hr/>	
	17	18	

### SUMMARY

	Semester Hours		Semester Hours
Chemistry	16	History	6
Computer Science	3	Mathematics	18
Engineering	12	Philosophy	6
English	9	Physics	14
Fine Arts	3	Physical Education	1
Foreign Language or		Speech Communication	3
Social Sciences	6	Theology	6
		Total Semester Hours	<hr/>
			103

**Note: Environmental Engineering students who wish to receive a B.S. degree in Physics from Xavier University of LA must satisfy the following requirements in addition to the above:**

#### B. S. Degree in Physics

Physics 3030-3040	6
Physics 3050-4050	6
Courses taken in	
Engineering School	<hr/>
Total hours	28

## PROGRAM: DUAL DEGREE MECHANICAL ENGINEERING

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Physics 1121		4	General Physics with Calculus
Engineering 1061		3	Engineering Graphics
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics 1070-2070	4	4	Intro. Calculus, Calculus II
Speech Communication 1010	3		Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	<hr/>	<hr/>	
	15	18	

### SOPHOMORE YEAR

Physics 2111/2121	4	4	General Physics with Calculus
Computer Science 1760		3	Intro to C Programming
English 2010	3		World Literature I
Fine Arts	3		Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 2080/2530	4	3	Calculus III/Differential Eqns.
Mathematics 2030		3	Linear Algebra
	<hr/>	<hr/>	
	17	16	

### JUNIOR YEAR

Engineering 2210/2020	3	3	Mech. Statics/Dynamics
Engineering 2120		3	Network Analysis
Engineering 2630		3	Analytical Methods
Physics 3310L or 3320L	1		Advanced Physics Lab
Physics 3510S or 3520S	1		Seminar
Physics Elective*	3		Physics 3xxx or 4xxx
Philosophy 2040/xxxx	3	3	Logic/Philosophy Core Req.
Social Science or Foreign Language	3	3	Core Requirement
Theology	3	3	Core Requirement
	<hr/>	<hr/>	
	17	18	

### SUMMARY

	Semester Hours		Semester Hours
Chemistry	8	History	6
Computer Science	3	Mathematics	18
Engineering	15	Philosophy	6
English	9	Physics	17
Fine Arts	3	Physical Education	1
Foreign Language or		Speech Communication	3
Social Sciences	6	Theology	6
		Total Semester Hours	<hr/>
			101

**Note: Mechanical Engineering students who wish to receive a B.S. degree in Physics from Xavier University of LA must satisfy the following requirements in addition to the above:**

#### B. S. Degree in Physics

Physics 3030-3040	6
Physics 3050-4050	6
Courses taken in	
Engineering School	<hr/>
Total hours	28

\*For students pursuing the B.S. degree in Physics, the Physics Elective must be a 3000- or 4000-level Physics course, and it **cannot** be one of the above courses listed as a requirement of the B.S. degree in Physics.

## DEPARTMENT OF POLITICAL SCIENCE

The Political Science program is designed for students who aspire to active leadership roles in promoting a more just 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 international 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 sciences; 2) professional study in law, mass communications, social work, management, or other professions; 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 newsletters 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 "C" or better.

Requirements for the major in Political Science include 42 hours of Political Science courses. Of these, the following courses are required: PSCI 1010, 1020, 2010, 2040, 2050, 2511, 3010, 3250 or 3270, 4100. Only three of the 42 hours may be taken in independent study courses and internships (PSCI 4901, 4911, 4953, 4963); additional hours in independent study courses may be taken as free electives outside of the major.

Majors and minors have the flexibility to acquire concentrations in the following areas:

### AMERICAN NATIONAL INSTITUTIONS:

PSCI 2050, 2120, 2390, 3100, 3360, 3380, 3460, and 4953P

### INTERNATIONAL AFFAIRS:

PSCI 2040, 3010, 3040, 3240, 3640, 4100, 4640, 4650 and 4953P

### PUBLIC LAW:

PSCI 2060, 2100, 2120, 3100, 3110, 3133 and 4963

### URBAN POLITICS:

PSCI 2440, 3360, 3390, 3400, 4920 and 4953U

**Minor in Political Science** – Minors must complete 18 hours of political science, including Political Science 1010. No more than three hours may be taken in independent study courses and internships (PSCI 4903, 4913, 4953, 4963). Non-majors must have PSCI 1020 or 2040 as a prerequisite for advanced courses, but this requirement may be waived by the department chairperson.

**Minor in Pre-Law** – 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.

The Minor in pre-law requires 18 hours in the following courses: PSCI 2120, Judicial Process; PSCI 2100, Law, Politics and Society; PSCI 3133, Mock Trial and Debate; PSCI 2060, International Law and Politics; PSCI 3100, Constitutional Law; and PSCI 4963, Legal Internship.

**Minor in International Affairs** – 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.
3. Careers in the international civil service, serving with intergovernmental organizations, such as the United Nations, as well as with private international nongovernmental organizations.

The Minor in International Affairs requires 18 hours in the following courses: PSCI 2040, International Relations; PSCI 2060, International Law and Politics; PSCI 3040, International Organization; PSCI 3640, American Foreign Policy; PSCI 4100, International Political Economy; and PSCI 4640, Politics of Developing Nations. 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 3240, 4050, and 4953/4956. Further, it is **recommended** that students pursuing a Minor in International Affairs also take a course in Economics, twelve (12) credit hours in a foreign language, and participate in a Study Abroad program for at least one semester.

**Minor in Public Administration**– 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.

The Public Administration minor consists of 18 hours in courses pertaining to public administration, of which PADM 2050, 3370, 3500 or 3510, 4530, and 4953 are required. In addition, no more than three hours may be taken in independent study courses (such as PADM 4903 or 4913).

**Minor in International Studies**-- See Interdisciplinary Minors.

**Recommended Pre-Law Preparation for Political Science Majors** -- In its Pre-Law Handbook, the Law School Admission Council (LSAC) does not recommend a particular course of study for the pre-law student. Rather it encourages students to pursue a broadly-based program that trains them to understand the variety of ideas, forces, and institutions that have shaped society.

The Pre-Law advisor does, however, suggest specific courses which pre-law students may find helpful. Thus, Pre-Law preparation for political science majors consists of an individually tailored program based on faculty suggestions. It is recommended that a student use his/her Core Curriculum requirements, minor, and free electives to take courses from among the following courses. Writing, critical thinking and logical reasoning are enhanced through: 1) English 2020, 3275, or 3400, 2) History 3001, and 3) Philosophy 2040, 3190, or 3260. Within the major, Political Science 2100, 3100, 3250 or 3270 are suggested.

Pre-Law students eligible for honors English and History courses are strongly advised to take advantage of these opportunities.

See also the Political Science Accelerated "Pre-Law" Program described immediately after the general program discussed below.

## PROGRAM IN POLITICAL SCIENCE

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Political Science 1010/1020	3	3	Intro to PSCI/American Govt.
Political Science 2050		3	Intro. to Public Administration
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
History 1030		3	World Civilizations
Mathematics	3		Core Requirement
Physical Education	1		Activity Course or Test
Speech Communication 1010	3		Fundamentals of Public Speaking
	16	15	

### SOPHOMORE YEAR

Political Science 2010/2040	3	3	Research Methods/Int'l Relations
Political Science 2511		3	Quantitative Analysis
African American Studies		3	Core Requirement
English 2010	3		World Literature
History 1040	3		Core Requirement
Natural Science	3	3	Core Requirement
Philosophy	3		Core Requirement
Social Sciences*		3	Core Requirement
Theology	3	3	Core Requirement
	18	18	

### JUNIOR YEAR

Political Science	6	3	Incl. Political Thought or Modern Political Thought and Comparative Politics
Fine Arts		3	Core Requirement
Philosophy	3		Core Requirement
Social Sciences*	3		Core Requirement
Minor	3	6	
Free Electives	3	3	
	18	15	

### SENIOR YEAR

Political Science	6	6	Electives
Political Science 4100	3		Int'l Political Economy
Political Science 4999		0	Senior comprehensives
Minor	6	3	
Free Electives		6	
	15	15	

\*The Social Sciences requirement must include 3 hours of economics. Students must take either ECON 1030, 2010 or 2020 plus either PSYC 1010 or SOCI 1010.

### SUMMARY

Semester Hours		Semester Hours	
African American Studies	3	Physical Education	1
English	9	Political Science	42
Fine Arts	3	Social Science	6
Foreign Language	6	Speech Communication	3
History	6	Theology	6
Mathematics	3	Free Electives	12
Natural Sciences	6	Minor	18
Philosophy	6	Total Semester Hours	130

**Political Science Accelerated "Pre-Law" Program**

The Political Science Department offers an accelerated "pre-law" program for political science majors. All students complete a three-year liberal arts education program at Xavier (103 hours). In their senior year, students enroll at an American Bar Association accredited law school. After successfully completing 27 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, physical science, foreign language, computer science, or public administration may be selected as a minor, or an interdisciplinary program such as the Law & Humanities Minor may be chosen. The student should delay taking free electives and the 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.

**POLITICAL SCIENCE ACCELERATED  
"PRE-LAW" PROGRAM**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Political Science 1010/1020	3	3	Intro. to PSCI/American Govt.
Political Science 2050		3	Intro. to Public Administration
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language	3	3	Core Requirement
History 1030		3	World Civilizations
Mathematics	3		Core Requirement
Physical Education	1		Activity Course or Test
Speech Communication 1010	3		Fundamentals of Public Speaking
	<hr/>	<hr/>	
	16	15	

**SOPHOMORE YEAR**

Political Science 2010/2040	3	3	Research Meth./Int'l Relations
Political Science 2511		3	Quantitative Analysis
English 2010	3		World Literature I
History 1040	3		Core Requirement
Natural Science	3	3	Biology recommended
Philosophy		3	Core Requirement
Social Sciences	3		Core Requirement
Theology	3	3	Core Requirement
Minor		3	
	<hr/>	<hr/>	
	18	18	

<b>JUNIOR YEAR</b>			
Political Science	6	3	Incl. Political Thought or Modern Political Thought, Comparative Politics, Int'l. Political Economy, Public Admin
Political Science 4999		0	Senior Comprehensives
African American Studies	3		Core Requirement
Philosophy	3	3	Logic recommended
Fine Arts		3	
Minor	6	9	
	18	18	

**Credits Accepted from Law School:**

Towards Political Science Major	15	(usually Con. Law, Criminal Law, Jurisprudence, and Legal Sys.)
Free electives	12	
Total	27	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Physical Education	1
English	9	Political Science	42
Fine Arts	3	Social Sciences	6
Foreign Language	6	Speech Communication	3
History	6	Theology	6
Mathematics	3	Free Electives	12
Natural Sciences	6	Minor	18
Philosophy	6	Total Semester Hours	130

**Political Science Accelerated "Public Affairs" Program**

The Political Science Department offers an accelerated public affairs program for political science majors. In three years, students must complete 103 hours toward a liberal arts educational program. Students will satisfy the requirements of the core curriculum (55 hours), minor (18 hours), and major (30 hours). Students enroll in a graduate program of public affairs during the senior year. After successfully completing 25 hours of graduate school courses, the student receives a B.A. degree from Xavier.

In order to be eligible for this program, a student must average 17 hours a semester for three years (summer school courses may supplement this average), maintain a 3.0 grade point average, and register an intent to pursue the accelerated program with the Public Affairs Advisor in the Political Science Department. Students must avoid taking free electives as well as electives in the major to fulfill the objectives of the accelerated program. Although a student may select any minor that will enhance a public affairs specialization, the Public Administration minor is highly recommended for successful completion of a graduate program in public affairs.

This program does not guarantee entry into a public affairs program. The admissions process and financial assistance are solely the responsibility of the student. The student interested in schools that accept applicants on an accelerated basis should see the Public Affairs Advisor.

Students pursue careers in public affairs with the idea of becoming effective leaders and managers in public, non-profit, and private organizations. These include city, state, and federal government agencies; companies and faith based organizations providing social services; and charities and philanthropies. Typically, students pursue master's degrees in public administration, public policy, urban and regional planning, and non-profit management.

**POLITICAL SCIENCE ACCELERATED  
"PUBLIC AFFAIRS" PROGRAM**

**FRESHMAN YEAR**

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Political Science 1010/1020	3	3	Intro. to PSCI./American Government
Political Science 2050		3	Intro to Public Administration
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Fine Arts	3		Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics	3		Core Requirement
Philosophy		3	Core Requirement
Physical Education	1		
Speech Communication 1010		3	Fundamentals of Public Speaking
	16	18	

**SOPHOMORE YEAR**

Political Science 2010/2511	3	3	Research Meth./Quant. Analysis
Political Science 2040	3		Inter. Relations
English 2010	3		World Literature I
Foreign Language	3	3	Core Requirement
Natural Science	3	3	Core Requirement
Minor	3	6	
	18	15	

**JUNIOR YEAR**

Political Science 3250 or 3270	3		Political Thought or Mod. Pol. Thght
Political Science 4100/3360	3	3	Int'l. Political Economy/Public Policy
Political Science 3010		3	Comparative Politics
African American Studies	3		Core Requirement
Philosophy		3	Core Requirement
Political Science 4999		0	Senior Comprehensives
Social Sciences		3	Core Requirement – Economics
Theology	3	3	Core Requirement
Minor	6	3	
	18	18	

**Credits Accepted from Public Affairs Graduate School:**

Towards Political Science Major	12
Free electives	13
Total Transfer Credits	25
Total Credits Earned at Xavier	103
Total	128

**SUMMARY**

	Semester Hours		Semester Hours
African American Studies	3	Physical Education	1
English	9	Political Science	42
Fine Arts	3	Social Sciences	3
Foreign Language	6	Speech Communication	3
History	6	Theology	6
Mathematics	3	Free Electives	13
Natural Sciences	6	Minor	18
Philosophy	6	Total Semester Hours	128

## DEPARTMENT OF PSYCHOLOGY

The Psychology Program strives to provide its students with a thorough foundation in the methodology of contemporary psychology. Students successfully completing the four-year program are awarded the degree of Bachelor of Science and are prepared both for graduate study in psychology and related fields, as well as for a limited number of career opportunities in psychology at the bachelor's degree level. Primary emphasis is placed on preparing students for graduate study. In addition to satisfying the goals of the core curriculum, the program of study in psychology is designed to:

1. prepare students majoring in psychology for either professional employment or further graduate training; and
2. offer courses to students from other disciplines whose curriculum requires them to take special courses in psychology.

Students majoring in psychology are offered a well-balanced program that has a central core, plus a sufficient number of electives that permit them to enter a variety of graduate programs in psychology at a competitive level. The rigorous preparation of students majoring in psychology is consistent with the American Psychological Association's Model Curriculum and with the overall University philosophy of academic excellence. The major in psychology consists of a minimum of 42 semester hours of psychology coursework with a "C" or better in each course.

Additionally, Clinical Practicum (two semesters required) is strongly recommended for those majors with a 3.0 grade point average in psychology who are interested in entering a graduate program in Clinical or Counseling Psychology: PSYC 4398 and 4399.

**SENIOR COMPREHENSIVES:** It is suggested that all majors take the advanced (subject) portion of the Graduate Record Examination (GRE) during the semester BEFORE the one in which they graduate. 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 in the Psychology Program are expected to acquire and exhibit the following academic and professional characteristics:

1. Competence in subject matter,
2. Competence in written and oral communication skills,
3. Familiarity with computers, and
4. Poise, self-confidence, and a commitment to ethics in science.

**Minor in Psychology** -- 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. Students who elect to take upper level courses must meet the prerequisites for those courses, if they are required.

**GENERAL PSYCHOLOGY PROGRAM:**

Students will take a minimum of 42 credit hours of psychology as offered within the Psychology Department, from five different categories of offerings:

CATEGORY 1: Introduction and Basic Sciences: Students must take the following four specific courses (12 hours).

	hours	
PSYC 1010	3	Introductory Psychology (prerequisite for all courses)
PSYC 2020	3	Experimental Psychology (prerequisite for 2512)
PSYC 2511	3	Analytic Research (prerequisite for 2512)
PSYC 2512	3	Introduction to Research

CATEGORY 2: Basic Research (Theoretical): Students must take a minimum of 9 hours from among the following:

	hours	
PSYC 1012	3	Human Development
PSYC 2070	3	Comparative Psychology
PSYC 2110	3	Human Sexuality
PSYC 3010	3	Social Psychology
PSYC 3030	3	Cognitive Psychology
PSYC 3050	3	Physiological Psychology
PSYC 3100	3	Psychology of Learning
PSYC 4010	3	Theories of Personality

CATEGORY 3: Applied Research and Clinical: Students must take a minimum of 9 hours from among the following:

	hours	
PSYC 2050	3	Health Psychology
PSYC 3025	3	Adult Development and Aging
PSYC 3045	3	Industrial/Organizational
PSYC 3080	3	Abnormal Psychology
PSYC 3090	3	Forensic Psychology
PSYC 3110	3	Psychotherapies
PSYC 3120	3	Tests and Measurements
PSYC 4050	3	Psychopharmacology
PSYC 4080	3	Community Psychology

CATEGORY 4: Special and Advanced Topics: Students must take a minimum of 3 hours from among the following:

	hours	
PSYC 2080	3	Writing in Psychology
PSYC 3041	3	Black Psychology
PSYC 3200L	1	Psychology Laboratory
PSYC 4000S	3	Seminar (Offered rarely)
PSYC 4030	3	The Psychology of Group Dynamics
PSYC 4040	3	Psychology of Gender
PSYC 4398	3	Clinical Practicum I
PSYC 4399	3	Clinical Practicum II
PSYC 4011	1	Independent Study (Offered only as needed)
PSYC 4012	2	Independent Study (Offered only as needed)
PSYC 4013	3	Independent Study (Offered only as needed)

CATEGORY 5: Capstone Experience: Students take 3 hours.

	hours	
PSYC 4996	3	Historical and Applied Perspectives in Psychology

**IN ADDITION** to the hours indicated above, students must take 6 more hours of “general psychology electives” selected from CATEGORIES 2, 3, or 4. **UNLESS TRANSFERRED IN FROM ANOTHER INSTITUTION, THESE GENERAL PSYCHOLOGY ELECTIVES MUST BE TAUGHT BY THE PSYCHOLOGY DEPARTMENT.**

**PSYCHOLOGY PREMEDICAL PROGRAM:**

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: Students must take the following three specific courses (9 hours).

	hours	
PSYC 1010	3	Introductory Psychology (prerequisite for all courses)
PSYC 2020	3	Experimental Psychology (prerequisite for 2512)
PSYC 2512	3	Introduction to Research

CATEGORY 2: Basic Research (Theoretical): Students must take 9 hours from among the following:

	hours	
PSYC 1012	3	Human Development
PSYC 2070	3	Comparative Psychology
PSYC 2110	3	Human Sexuality
PSYC 3010	3	Social Psychology
PSYC 3030	3	Cognitive Psychology
PSYC 3050	3	Physiological Psychology
PSYC 3100	3	Psychology of Learning
PSYC 4010	3	Theories of Personality

CATEGORY 3: Applied Research and Clinical: Students must take 9 hours from among the following:

	hours	
PSYC 2050	3	Health Psychology
PSYC 3025	3	Adult Development and Aging
PSYC 3045	3	Industrial/Organizational
PSYC 3080	3	Abnormal Psychology
PSYC 3090	3	Forensic Psychology
PSYC 3110	3	Psychotherapies
PSYC 3120	3	Tests and Measurements
PSYC 4050	3	Psychopharmacology
PSYC 4080	3	Community Psychology

CATEGORY 4: Special and Advanced Topics: Students must take 3 hours from among the following:

	hours	
PSYC 2080	3	Writing in Psychology
PSYC 3041	3	Black Psychology
PSYC 3200L	1	Psychology Laboratory
PSYC 4000S	3	Seminar (Offered rarely)
PSYC 4030	3	The Psychology of Group Dynamics
PSYC 4040	3	Psychology of Gender
PSYC 4398	3	Clinical Practicum I
PSYC 4399	3	Clinical Practicum II
PSYC 4011	1	Independent Study (Offered only as needed)
PSYC 4012	2	Independent Study (Offered only as needed)
PSYC 4013	3	Independent Study (Offered only as needed)

CATEGORY 5: Capstone Experience: Students take 3 hours.

	hours	
PSYC 4996	3	Historical and Applied Perspectives in Psychology

NOTE: Psychology premedical students are not required to take any “general psychology electives”.

## PROGRAM IN PSYCHOLOGY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Psychology 1010-2020	3	3	Intro. Psyc./Exper. Psyc
Psychology 2511		3	Analytic Research
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Computer Science 1005		3	Intro. to PC's
History 1030-1040	3	3	World Civilizations
Mathematics	3		Core Requirement
Philosophy	3		Core Requirement
Speech Communication 1010		3	Fundamentals of Public Speaking
Physical Education	1		Activity Course or Test
	<hr/> 16	18	

### SOPHOMORE YEAR

Psychology 2512	3		Intro. To Research
Psychology Choice*	3		See Listings Below
Psychology Choice		3	See Listings Below
African American Studies	3		Core Requirement
English 2010	3		World Literature I
Natural Science	3(4)	3(4)	Core Requirement
Philosophy 2040		3	Logic
Minor		3	
Free Electives		3	
	<hr/> 15(16)	15(16)	

**JUNIOR YEAR**

Psychology Choice*	3		See Listings Below
Psychology Choice*	3		See Listings Below
Psychology Choice**	3		See Listings Below
Psychology Choice**		3	See Listings Below
Psychology Choice**		3	See Listings Below
Fine Arts		3	Core Requirement
Social Sciences	3		Core Requirement, other than PSYC 1010
Theology		3	Core Requirement
Minor	3	6	
Free Electives	1		
	<hr/>	<hr/>	
	16	18	

**SENIOR YEAR**

Psychology Choice***	3		See Listings Below
Psychology Choice		3	See Listings Below
Psychology 4996	3		Hist. & App. Persp in Psyc.
Psychology 4999		0	Senior Comprehensives
Foreign Language	3	3	Core Requirement
Theology	3		Core Requirement
Minor	3	3	
Free electives		6	
	<hr/>	<hr/>	
	15	15	

\* PSYCHOLOGY CHOICE: 3 hours from among the following classes:

	hours	
PSYC 1012	3	Human Development
PSYC 2070	3	Comparative Psychology
PSYC 2110	3	Human Sexuality
PSYC 3010	3	Social Psychology
PSYC 3030	3	Cognitive Psychology
PSYC 3050	3	Physiological Psychology
PSYC 3100	3	Psychology of Learning
PSYC 4010	3	Theories of Personality

\*\* PSYCHOLOGY CHOICE: 3 hours from among the following classes:

	hours	
PSYC 2050	3	Health Psychology
PSYC 3025	3	Adult Development and Aging
PSYC 3045	3	Industrial/Organizational
PSYC 3080	3	Abnormal Psychology
PSYC 3090	3	Forensic Psychology
PSYC 3110	3	Psychotherapies
PSYC 3120	3	Tests and Measurements
PSYC 4050	3	Psychopharmacology
PSYC 4080	3	Community Psychology

\*\*\* PSYCHOLOGY CHOICE: 3 hours from among the following classes:

	hours	
PSYC 2080	3	Writing in Psychology
PSYC 3041	3	Black Psychology
PSYC 3200L	1	Psychology Laboratory
PSYC 4000S	3	Seminar (Offered rarely)
PSYC 4030	3	The Psychology of Group Dynamics
PSYC 4040	3	Psychology of Gender
PSYC 4398	3	Clinical Practicum I
PSYC 4399	3	Clinical Practicum II
PSYC 4011	1	Independent Study (Offered only as needed)
PSYC 4012	2	Independent Study (Offered only as needed)
PSYC 4013	3	Independent Study (Offered only as needed)

**NO ASTERISK PSYCHOLOGY CHOICE** is a “Free Elective in Psychology.” **UNLESS TRANSFERRED IN FROM ANOTHER INSTITUTION, THESE GENERAL PSYCHOLOGY ELECTIVES MUST BE TAUGHT BY THE PSYCHOLOGY DEPARTMENT.**

#### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Fine Arts	3	Physical Education	1
Computer Science	3	Psychology	42
English	9	Social Sciences	3
Foreign Language	6	Speech Communication	3
History	6	Theology	6
Mathematics	3	Free Electives	10
Natural Sciences#	6(8)	Minor	18
		Total Semester Hours	<u>128</u>

#Eight hours of natural sciences are recommended instead of six.

Note: Clinical Practicum is recommended for those majors with a 3.0 grade point average in psychology. Hours taken as Clinical Practicum also count as elective hours.

#### Psychology Pre-Medical Program

The discipline of psychology, in conjunction with the Pre-Medical program at Xavier University, offers its students an alternative route to careers via medical school or the health professions. This is the Psychology Pre-Medical Program. This program is recommended for those students who want to major in psychology but then attend medical school, generally in pursuit of a psychiatric degree, or who are interested in graduate programs in Biological Psychology or Neuroscience. The program is similar to the general psychology curriculum but involves heavier emphasis in the natural sciences. It also requires nine (9) fewer hours of psychology than does the general program.

**SENIOR COMPREHENSIVES:** For their senior comprehensives, students may choose to take the advanced (subject) portion of the Graduate Record Examination (GRE) during the semester before the one in which they graduate, or they can take the departmental comprehensives only. 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.

## PROGRAM IN PSYCHOLOGY (PRE-MEDICAL)

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Psychology 1010-2020	3	3	Intro. Psyc./Exper. Psyc.
Chemistry 1010/1010D/1011L - 1020/1020D/1021L	4	4	General Chemistry I – II
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Mathematics 1020	3		Basic Statistics
Mathematics 1030 or 1070		4	Precalculus or Calculus I
Speech Communication 1010		3	Fundamentals of Public Speaking
Philosophy	3		Core Requirement
Physical Education	1		Activity Course or Test
	17	17	

### SOPHOMORE YEAR

Psychology 2512	3		Intro. to Research
Psychology Choice*		3	See Listings Below
African American Studies	3		Core Requirement
Biology 1230/1230L - 1240/1240L	4	4	General Biology I – II
Chemistry 2210/2210D/2230L - 2220/2220D/2240L	4	4	Organic Chemistry I – II
English 2010		3	World Literature I
History 1030-1040	3	3	World Civilizations
	17	17	

### JUNIOR YEAR

**Students should take the MCAT for the first time during the spring of the junior year.**

Psychology Choice*	3		See Listings Below
Psychology Choice*		3	See Listings Below
Psychology Choice**	3		See Listings Below
Psychology Choice**		3	See Listings Below
Chemistry 4130		3	Biochemistry Lecture
Fine Arts		3	Core Requirement
Philosophy	3		Core Requirement
Physics 2010/2010L - 2020/2020L	4	4	General Physics I – II
Free Electives	3	2	
	16	18	

### SENIOR YEAR

Psychology Choice**	3		See Listings Below
Psychology Choice***	3		See Listings Below
Psychology 4996		3	Hist. & App. Persp in Psyc.
Psychology 4999		0	Senior Comprehensives
Biology 4091/4091L or Biology 3350/3350L	4		Comparative Anatomy and Lab Anatomy and Physiology and Lab
Biology 4111/4111L or Biology 3162/3162L		4	Histology and Lab Embryology and Lab
Foreign Language	3	3	Core Requirement
Social Sciences		3	Core Requirement, other than PSYC 1010
Theology	3	3	Core Requirement
	16	16	

\* PSYCHOLOGY CHOICE: 3 hours from among the following classes:

	hours	
PSYC 1012	3	Human Development
PSYC 2070	3	Comparative Psychology
PSYC 2110	3	Human Sexuality
PSYC 3010	3	Social Psychology
PSYC 3030	3	Cognitive Psychology
PSYC 3050	3	Physiological Psychology
PSYC 3100	3	Psychology of Learning
PSYC 4010	3	Theories of Personality

\*\* PSYCHOLOGY CHOICE: 3 hours from among the following classes:

	hours	
PSYC 2050	3	Health Psychology
PSYC 3025	3	Adult Development and Aging
PSYC 3045	3	Industrial/Organizational
PSYC 3080	3	Abnormal Psychology
PSYC 3090	3	Forensic Psychology
PSYC 3110	3	Psychotherapies
PSYC 3120	3	Tests and Measurements
PSYC 4050	3	Psychopharmacology
PSYC 4080	3	Community Psychology

\*\*\* PSYCHOLOGY CHOICE: 3 hours from among the following classes:

	hours	
PSYC 2080	3	Writing in Psychology
PSYC 3041	3	Black Psychology
PSYC 3200L	1	Psychology Laboratory
PSYC 4000S	3	Seminar (Offered rarely)
PSYC 4030	3	The Psychology of Group Dynamics
PSYC 4040	3	Psychology of Gender
PSYC 4398	3	Clinical Practicum I
PSYC 4399	3	Clinical Practicum II
PSYC 4011	1	Independent Study (Offered only as needed)
PSYC 4012	2	Independent Study (Offered only as needed)
PSYC 4013	3	Independent Study (Offered only as needed)

**NO ASTERISK PSYCHOLOGY CHOICE is a "Free Elective in Psychology." UNLESS TRANSFERRED IN FROM ANOTHER INSTITUTION, THESE GENERAL PSYCHOLOGY ELECTIVES MUST BE TAUGHT BY THE PSYCHOLOGY DEPARTMENT.**

#### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Philosophy	6
Biology	16	Physical Education	1
Chemistry (minor)	19	Physics	8
English	9	Psychology	33
Fine Arts	3	Social Sciences	3
Foreign Language	6	Speech Communication	3
History	6	Theology	6
Mathematics	7	Free Electives	5
		Total Semester Hours	<u>134</u>

## DEPARTMENT OF SOCIOLOGY

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 the discipline of Sociology.

The goals of the department are:

1. To prepare majors for graduate study in sociology leading to the terminal degree;
2. To prepare majors for graduate and professional study in fields related to sociology;
3. To prepare students for employment in business and industry, education, government, media, and public and social service;
4. To provide students with a global perspective of society, cultures, and institutions; and
5. To develop critical and analytical reasoning skills of students most especially through the use of sociological research methods.

Students electing the major in sociology must earn 39 hours in sociology. In order for a major course to be counted for degree credit, a student must earn a "C" or better. SOCI 1010 is a prerequisite for all other sociology courses. The following courses are required for the B.A. in sociology: SOCI 1010, 2010, 2510, 2520, 3030, 3042, 3080, 4000, 4020, 4045, 4050, and three Sociology electives.

In addition to offering the major in sociology, the department offers an accelerated major in the Sociology of Public Service, and a minor in sociology. In order for a course to be counted for a minor, a student must earn a "C" or better.

**Minor in Sociology** -- This program requires 18 hours of coursework including SOCI 1010, 2010, 3030, 3042, 4020 and one Sociology elective.

## PROGRAM IN SOCIOLOGY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Sociology 1010-2010	3	3	Intro to Sociology/Social Problems
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1010	3		Modern Mathematics
Physical Education		1	Activity Course or Test
Political Science 1010 or 1020		3	Intro to Pol. Sci or Amer. Govern.
Psychology 1010	3		Introduction to Psychology
Speech Communication 1010		3	Fundamentals of Public Speaking
	15	16	

**SOPHOMORE YEAR**

Sociology 2510	3		Quant. Res. Meth. & Soc. Statistics
Sociology 2520		3	Qualitative Research Methods
Sociology		3	Sociology 2000-level Elective
African American Studies		3	Core Requirement
English 2010		3	World Literature I
Foreign Language	3	3	Core Requirement
Natural Science	3		Core Requirement
Philosophy	3		Core Requirement
Theology	3		Core Requirement
	<hr/> 15	<hr/> 15	

**JUNIOR YEAR**

Sociology 3030	3		Sociological Theory
Sociology 3042/3080	3	3	Deviance/Race, Class and Gender Inequality
Sociology Electives	3	3	
Sociology 4000		3	Society and the Individual
Fine Arts		3	Core Requirement
Natural Science		3	Core Requirement
Philosophy	3		Core Requirement
Theology		3	Core Requirement
Minor	6		
	<hr/> 18	<hr/> 18	

**SENIOR YEAR**

Sociology 4050/4045	3	3	Social Organ./Globalization and Comparative Social Change
Sociology 4020		3	Urban Sociology
Sociology 4999		0	Senior Comprehensives
Minor	6	6	
Free electives	7	3	
	<hr/> 16	<hr/> 15	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Physical Education	1
Behavioral Science	3	Social Sciences	6
English	9	Sociology	39
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	6
History	6	Free Electives	10
Mathematics	3	Minor	18
Natural Sciences	6	Total Semester Hours	<hr/> 128
Philosophy	6		

## ACCELERATED PROGRAM IN SOCIOLOGY OF PUBLIC SERVICE

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
Sociology 1010-2010	3	3	Intro to Sociology/Social Problems
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
History 1030-1040	3	3	World Civilizations
Mathematics 1010	3		Modern Mathematics
Physical Education		1	Activity Course or Test
Social Sciences	3	3	Core Requirement (ECON 2010-2020 STRONGLY Recommended)
Speech Communication 1010		3	Fundamentals of Public Speaking
	15	16	

### SOPHOMORE YEAR

Sociology 2510	3		Quant. Res. Meth. & Soc. Statistics
Sociology 2520		3	Qualitative Research Methods
African American Studies		3	Core Requirement
Biology 1050	3		Environmental Biology
English 2010		3	World Literature I
Fine Arts	3		Core Requirement
Foreign Language	3	3	Core Requirement
Philosophy	3	3	Core Requirement
Theology	3	3	Core Requirement
	18	18	

### JUNIOR YEAR

Sociology 3020	3		Political Sociology
Sociology 3030	3		Sociological Theory
Sociology 3080		3	Race, Class and Gender Inequality
Sociology 3085	3		Soc. of the African Amer. Experience
Sociology 3100		3	Social Policy
Sociology 4020		3	Urban Sociology
Sociology 4040		3	Social Change
Sociology 4999	0		Senior Comprehensives
Natural Science	3		Core Requirement
Minor	6	6	
	18	18	

### Credits Accepted from Graduate School:

Towards Sociology Major	6
Towards Minor	6
Free Electives	13
<b>Total</b>	<b>25</b>

### SUMMARY

	Semester Hours		Semester Hours
African American Studies	3	Physical Education	1
English	9	Social Sciences	6
Fine Arts	3	Sociology	39
Foreign Language	6	Speech Communication	3
History	6	Theology	6
Mathematics	3	Free Electives	13
Natural Sciences	6	Minor	18
Philosophy	6	Total Semester Hours	128

## DEPARTMENT OF THEOLOGY

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 our 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 1100, 1120, 1170, 3010S, 3012S, 3020S and 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.

**Minor.** The Minor in Theology consists of 18 hours of Theology courses. The requirements for the minor are: 1120, one of 1100/1170, 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.

**Honors.** Students are eligible to graduate with an honors distinction in Theology. To do so one must complete a minimum of three Theology courses, one introductory 1000 level course, and any two upper level, 2000 or higher courses, with a total of 9 credit hours and a grade of a B or higher in each of the courses.

## PROGRAM IN THEOLOGY

### FRESHMAN YEAR

	Semester Hours		
	1 <sup>st</sup>	2 <sup>nd</sup>	
	Semester	Semester	
Theology 1100	3		The Christian Faith
Theology 1120	3		Intro. to Biblical Studies
Theology 1170		3	Introduction to Theology
English 1010-1020	3	3	Comp & Rhetoric/Comp & Lit.
Foreign Language		3	Core Requirement
History 1030-1040	3	3	World Civilizations
Mathematics 1010-1020	3	3	Modern Math/Basic Statistics
Physical Education	1		Activity Course or Test
	<u>16</u>	<u>15</u>	

### SOPHOMORE YEAR

Theology	6	6	Theology courses
English 2010-2020	3	3	World Literature
Fine Arts		3	Core Requirement
Foreign Language	3		Core Requirement
Natural Sciences	3	3	Core Requirement
Philosophy		3	Core Requirement
Speech Communication 1010	3		Fundamentals of Public Speaking
	<u>18</u>	<u>18</u>	

### JUNIOR YEAR

Theology	9	3	Theology courses
Theology 3010S-3012S	1	1	Theology Seminar
Philosophy		3	Core Requirement
Social Sciences	3	3	Core Requirement
Minor	3	6	
	<u>16</u>	<u>16</u>	

**SENIOR YEAR**

Theology	3	3	Theology courses
Theology 3020S	1		Theology Seminar
Theology 4999		0	Senior Comprehensives
African American Studies	3		Core Requirement
Free Electives/Minor	10	9	
	<hr/>	<hr/>	
	17	12	

**SUMMARY**

	<b>Semester Hours</b>		<b>Semester Hours</b>
African American Studies	3	Physical Education	1
English	12	Social Sciences	6
Fine Arts	3	Speech Communication	3
Foreign Language	6	Theology	42
History	6	Free Electives	10
Mathematics	6	Minor	18
Natural Sciences	6	Total Semester Hours	<hr/>
Philosophy	6		128

# **COLLEGE OF PHARMACY**

## **GENERAL INFORMATION**

The Xavier University College of Pharmacy holds a place of distinction among the nation's colleges of pharmacy. The College is dedicated to bringing minority youth into the learned profession of pharmacy. For years, Xavier has been among the top three producers in the nation of African Americans with a Doctor of Pharmacy degree. Even with that commitment to minority education, the College remains open to all races.

The mission of the Xavier University of Louisiana College of Pharmacy 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, behavioral sciences, and management.
2. A clinical component designed to develop graduates skilled in:
  - a. Monitoring and evaluating drug therapy,
  - b. Providing drug distribution,
  - c. Providing drug information to other members of the health care team and to the public, and
  - d. Effectively relating to patients and to 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 COLLEGE OF PHARMACY**

The pre-pharmacy curriculum offered in the College of Arts and Sciences' Chemistry Department prepares 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 66 credit hours of the Chemistry (pre-pharmacy) curriculum as specified (see the Department of Chemistry section for details of this curriculum), prior to being admitted to the Pharm.D. program. Students who are admitted to the College of Pharmacy must satisfy all conditions stipulated in the admissions notice and present documentation to the Admissions Office by August 1 prior to enrolling for the first year. Xavier students who are not accepted must complete a degree before reapplying to the College of Pharmacy.

Applicants (including Xavier students) who have completed or who are about to complete pre-pharmacy requirements should submit: (1) an application form for admission to the College of Pharmacy, (2) three letters of recommendation, (3) statement of interest, and (4) a transcript from each college (two and four year) previously attended.

In order to be considered for admission to the Doctor of Pharmacy program, students must have an overall GPA of 2.5 in required pre-pharmacy courses, and grades of “C” or better in all science and mathematics courses that are part of this curriculum. Selected applicants will be required to appear on campus for a personal interview.

Xavier students enrolled in the chemistry pre-pharmacy program must apply by October 15<sup>th</sup> during the fall semester. The deadline for all other applications to the College of Pharmacy is December 15<sup>th</sup>.

Transfer students will be processed for admission according to the following procedures:

- By December 15<sup>th</sup>, all applications and other official supporting documents must be in the Admissions Office.
- Non-refundable Acceptance deposits of \$500 are due as designated on the acceptance letter.

General ethics courses will not be considered in fulfillment of the health ethics requirements at Xavier University of Louisiana. Transfer credit for PHIL 2400 Health Ethics must be a comparable course in either bioethics, medical ethics or health ethics. Any course transferred from an institution other than Xavier shall be subject to review by the Department of Philosophy.

Students transferring to Xavier from another college or university must also comply with the requirements for admission to Xavier University. In addition, any required pre-pharmacy course that cannot be substituted with courses from the student's transcript must be completed. Only grades of “C” or better in acceptable courses will transfer to Xavier University of Louisiana.

Students transferring from another College of Pharmacy or other professional school must submit a letter of good standing from the dean of that college.

### **COLLEGE OF PHARMACY ACADEMIC POLICIES**

The Pharmacy Academic Standing Committee evaluates all students' progress in the professional curriculum at the end of each academic year and/or each semester when necessary. A new academic Standing Policy was approved in 2007. This policy applies to all students entering the College of Pharmacy in the Fall 2007. Based on this policy, students who are determined **not** in “good standing” will be placed on probationary status or dismissed from the College.

### **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 six years (four of these in the College of Pharmacy) and have completed 201 semester hours of work. The student must have a 2.00 grade point average for courses attempted in the four-year professional curriculum. The semester hours of work are to be distributed among the various fields and courses according to the program of study.

## 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 acquired 1500 hours of practical experience under the instruction and supervision of a registered pharmacist. These 1500 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.

## ENTRY-LEVEL PROFESSIONAL PROGRAM Doctor of Pharmacy

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

	Semester Hours		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	
PHCL 3350	2		Biomedical Immunology
PHCL 3450/3450L – 3460	4	3	Human Anatomy/Human Phys.
PHCY 3030	2		Intro. To Pharmacy I
PHCY 3041		1	Pharmacy Skills Lab I
PHCY 3150	2		Pharmacy Calculations
PHCY 4600	3		Biostatistics
PHCY4600D	0		Biostatistics Drill
PHCT 4050/4050L		4	Pharmaceutics I
PHSC 3622		2	Principles of Drug Action
PHSC 3640		3	Molecular Biol. & Biotechnology
PHSC 4120	3		Pharmaceutical Biochemistry
PCLN 4701 - 4702	1	1	Intro. Pharm. Practice Exp I
Pharmacy Elective		2(3)	Pharmacy Elective*
	17	16(17)	

### SECOND YEAR

PCLN 4660		5	Disease State Management I
PCLN 4660D		0	DSM I Drill/Case Studies**
PHAD 4450		2	Behaviorial Pharmacy/ Comm.
PHCH 4450-4460	3	3	Medicinal Chemistry I-II
PHCL 4310	4		Pathophysiology
PHCL 4510-4520/4520L	4	4	Pharmacology I-II
PHCT 4060	3		Pharmaceutics II
PHCT 4480		3	Biopharm/Bsc Pharmacokinetics
PHCY 4042	1		Pharmacy Skills Lab 2
PHSC 3632	1		Pharmaceutical Sciences Lab
PCLN 4801 - 4802	1	1	Intro Pharm. Practice Exp II
	17	18	

### THIRD YEAR

PCLN 4370/4370L	4	Pharmacy Practice
PCLN 4590	3	Applied Pharmacokinetics
PCLN 4670-4680	5	Disease State Management II-III
PCLN 4670D-4680D	0	0 DSM II-III Drill/Case Studies**
PHAD 4410	3	Pharmacy Management
PHAD 4430		3 Practice Management /P'coecon.
PHAD 4520		2 Pharmacy Law
PHCY 4310-4320	1	1 Research & Literature Eval. I-II
PHCY 4430		3 Basic and Clinical Nutrition
PCLN 4901	1	1 Intro Pharm. Practice Exp III
Pharmacy Elective		2(3) Pharmacy Elective
	<hr/>	
	17	17(18)

\*The Pharmacy elective may be taken in the first year or the third year.

\*\*A Drill or Clinical Case Studies will be offered concurrently with each Disease State Management course.

### FOURTH YEAR (Including Summer Session) Seven 6-Week Rotations (6 semester hours each)

PCLN 5302-5304	Community Pharmacy Practice
PCLN 5305-5307	Hospital Pharmacy Practice
PCLN 5312-5314	Ambulatory Care Practice
PCLN 5322-5324	Acute Care-Internal Medicine Practice
PCLN 5332	Drug Information Services
PCLN 5335	Inpatient Infectious Disease Elective
PCLN 5336	Outpatient Infectious Disease Elective
PCLN 5337	Diabetes Education & Management Elective
PCLN 5338	Women's Health Services Elective
PCLN 5339	Asthma Education & Mgmt. Elective
PCLN 5340	Intensive Care Pharmacotherapy Elective
PCLN 5350	Pharmacy Compounding Practice Elective
PCLN 5351	Home Infusion Pharmacy Elective
PCLN 5352	Nuclear Pharmacy Practice Elective
PCLN 5353	Hospice Pharmacy Practice Elective
PCLN 5354	Specialty Hospital Practice Elective
PCLN 5355	Long Term Care Pharmacy Practice Elective
PCLN 5359	Pharmacy Benefit Management Elective
PCLN 5360	Chain Pharmacy Management Elective
PCLN 5361	Professional Organizations Practice Elective
PCLN 5362	Health System Pharmacy Management Elective
PCLN 5363	Pharmaceutical Sales & Liaison Services Elective
PCLN 5402-5404	Research Elective: Pharmacy Administration I-III
PCLN 5405-5407	Research Elective: Minority Health & Health Disparities I-III
PCLN 5408-5410	Research Elective: Basic Pharmaceutical Science I-III
PCLN 5411-5412	Research Elective: Clinical Drug Trials I-II
PCLN 5422	Professional Experience in Teaching Elective
PCLN 5501-5502	Professional Experience Program Meetings I-II
PHCY 5500 (1 semester hour)	Seminar

### SUMMARY

	Semester Hours		Semester Hours
Pharmacy Administration	10	Pharmaceutical Sciences	9
Pharmacy Clinical	70	Pharmacology	21
Pharmaceutics	10	Pharmacy (required)	14
Pharmaceutical Chemistry	6	Pharmacy Elective	2(3)
		Total Semester Hours	<hr/> 142(143)

## COLLEGE OF PHARMACY COURSE SYMBOLS

### Division of Clinical and Administrative Sciences:

**PCLN** -- Clinical Pharmacy  
**PHAD** -- Pharmacy Administration  
**PHCY** -- Pharmacy

### Division of Basic Pharmaceutical Sciences:

**PHCH** -- Medicinal Chemistry  
**PHCT** -- Pharmaceutics  
**PHCL** --- Pharmacology  
**PHCY** -- Pharmacy  
**PHSC** -- Basic Pharmaceutical Sciences

# ***GRADUATE PROGRAMS***

## **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 Graduate School offers the Master of Arts, the Master of Arts in Teaching, and the Master of Theology degrees. The programs focus on the disciplines of education, counseling, and theology.

## **EDUCATION AND COUNSELING PROGRAMS**

The Graduate course work for the Master's degree in educational leadership, counseling, and curriculum and instruction are offered in the Division of Education. Areas of specialization are listed below. In addition, programs are also offered for initial Louisiana teacher certification.

**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
2. Curriculum and Instruction – Professional preparation for leadership in Curriculum and Instruction is offered in the following specialized area:
  - Reading Specialist
3. Counseling – Professional preparation is offered for counselors in school and post-secondary educational settings, as well as non-school agencies. Counseling programs meet all requirements for state certification:
  - School Counseling
  - Community Counseling

**Master of Arts in Teaching** – This program is offered in the following areas for those applicants who are seeking certification and who have passed the appropriate PRAXIS examinations:

- Elementary Education (Grades 1-6)
- Special Education (Mild/Moderate)
- Secondary Education

## **THEOLOGY PROGRAM**

The Graduate course work for the Master of Theology degree is offered by the Institute for Black Catholic Studies.

### **Master of Theology**

The Master of Theology Program, begun at Xavier in 1980, is the only graduate program in Black Catholic Theology in the United States. Like the other educational components of the Institute, the M.Th. degree program offers courses that focus on the integration of Catholic Religious traditions and the distinct experience of African Americans and other Black peoples in the United States.

The Graduate Degree program blends rigorous academic and personal learning. The program equips students with methodological tools for critical understanding, analysis, and evaluation. At the same time, the program assists students in integrating theory and praxis, theology and pastoral ministry for sound personal growth, for building up the life of faith, and for effective ministry.

## **ADMISSION REQUIREMENTS**

Applicants are admitted to Graduate Studies on a full-time or part-time basis. Candidates for admission must submit a formal application according to the procedures outlined below. The formal applications includes an application fee; official transcripts from all undergraduate and, where applicable, all post-baccalaureate institutions where courses were taken; two confidential recommendations; and official test results from either the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT). A minimum score of 800 (the combined score from the verbal and quantitative sections) on the GRE or a minimum score of 380 on the MAT is acceptable. Test scores older than five years are not acceptable. A degree from a regionally-accredited college or university which reflects an overall minimum undergraduate grade point average of 2.5 is required.

In addition, applicants for programs in the education areas (Curriculum and Instruction and Educational Leadership must submit passing scores from the appropriate PRAXIS examinations or a valid teaching certificate.

All requirements for admission must be completed and submitted to the Director of Graduate Admissions before a decision regarding acceptance can be rendered. Applications must be made by the following dates:

- Fall Semester – July 1
- Spring Semester –December 1
- Summer Sessions – May 1

For Education and Counseling students: All inquiries, requests for application forms, and completed applications should be addressed to: The Division of Education; Graduate Studies; Xavier University of Louisiana; 1 Drexel Drive; New Orleans, LA 70125.

For Master of Theology students: All application forms and registration materials are available on the Institute for Black Catholic Studies web site (<http://www.xula.edu/IBCS>). Requests for hard copies of the application and pre-registration materials and completed applications should be addressed to: Director, Institute for Black Catholic Studies; Xavier University of Louisiana; 1 Drexel Drive – Box 49; New Orleans, LA 70125.

## **MASTER'S DEGREE PROCEDURES**

1. Inquiries:
  - a. Education and Counseling students: Make all inquiries regarding your application to the Director of Graduate Admissions.
  - b. Theology students: Make all inquiries regarding your application to the Director of the Institute for Black Catholic Studies.
2. Complete application for admission by the published deadlines.
  - 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 Director of Graduate Admissions.
  - c. Ascertain that recommendations by two persons qualified to appraise scholastic aptitude and professional potential are on file in the Graduate Studies Office. (Theology students must also submit a third letter of reference from a person qualified to appraise professional or ministerial promise.)
  - d. Confirm that the test results for the GRE or MAT are on file in the Graduate Studies Office.
  - e. Confirm that scores from the appropriate PRAXIS examinations are on file (Education and Counseling students only.)
  - f. Complete health clearance requirements
3. Apply for and achieve advancement to candidacy. To be eligible the student must have:
  - a. Removed all deficiencies for full admission, if applicable.
  - b. Successfully completed 12 course credits of graduate work at Xavier University.
  - c. Earned a grade point average of not less than 3.0.
  - d. Theology students must also pass a qualifying exam.
4. Attain status of candidacy from the Graduate Council.
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 9 (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.
6. Maintain a "B" (3.0) average.
7. Take and pass the Comprehensive Final Examination. 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. Complete graduation arrangements for Commencement which is held at the end of the Spring semester.
  - a. Education and Counseling students:
    - i. Apply to the Director of Education/Graduate Studies for a diploma before November 1.
    - ii. Order hood, cap and gown at the Graduate Admissions Office before December 1.
    - iii. Pay the graduation fee of \$100. 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 Director of the Division of Education at least four weeks before commencement. An additional fee of \$25 is required (the total graduation fee for an in absentia request is \$125).
  - b. 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 at the Graduate Admissions Office before May 1 prior to graduation
    - iii. Pay a graduation fee of \$100.
    - iv. Graduates are expected to be present for the conferring of the Master's Degree at the end of the summer session. Students may also participate in the Xavier Commencement the following May.

### **TRANSCRIPT POLICY**

Transcripts submitted for admission purposes must be official copies sent directly from the originating school or college. Education and Counseling student transcripts should be sent to the Director of Graduate Admissions, and Master of Theology student transcripts should be sent to the Director of Black Catholic Studies. Unofficial transcripts submitted by the applicant are not acceptable for 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 with a minimum overall average of 2.5 (based on a 4.0 grade point scale); two professional, confidential recommendations (Theology students must also submit a third letter of reference from a person qualified to appraise professional or ministerial promise); personal interview; and approval by the Director of the appropriate graduate program.

**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 9 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 (Education and Counseling students only)**

Students who have not attended for one year 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 Director of the Division of Education.

### **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 Studies will consider applicants for the Transient Student category if they meet the following criteria:

1. Applicant must be currently registered in an accredited graduate school.
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 of \$100. 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**

The faculty and staff of the Division of Education are charged with the orientation and advisement of the Education and Counseling students in their concentrations. New students to the education 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 of Institute for Black Catholic Studies (IBCS) graduate students occurs during the on-campus final registration period held in late June. 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 of the Holy Spirit, when students and faculty gather 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. Students and faculty form small groups led by a continuing student who serves as a mentor.

## **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 Division of Education Fees and Expenses, please see the general Tuition, Fees, and Expenses section of this Catalog. For information about the Master of Theology Program fees and expenses, please see the IBCS website <http://newsite.xula.edu/ibcs>.

## **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 Director 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 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.

### **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.

## **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 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 Director of Graduate Admissions of Xavier University. The student must request and have sent directly to the Director of the appropriate graduate program 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 lapsed 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 Director of the appropriate graduate program. 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 Director of Graduate Admissions. 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 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 Graduate Studies 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 9 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 departmental chairperson. Permission is contingent upon the student's having a minimum cumulative GPA of 3.0 and approval of the 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 Graduate Studies. 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 Director of the appropriate graduate program prior to course registration. A student wishing to audit must have met all admission requirements for Graduate Studies 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 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. At least 27 of the credit hours to be applied toward the Master's degree in Education or Counseling and 31 of the credit hours for the Graduate Degree in Theology must be taken in residence.

## **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. 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 Studies of any student who is unable to meet the established standards of scholarship.

## **ACADEMIC PROBATION AND DISMISSAL**

### **ACADEMIC PROBATION**

A student whose **grade-point average in any semester** falls below 3.0 may be placed on Academic Probation and restricted to one course during the next semester enrolled if permitted to continue in the program.

A student whose **cumulative grade-point average** falls below 3.0 is automatically placed on Academic Probation.

Any student on Academic Probation must meet with his/her advisor regarding his/her status and future enrollment. If the student is permitted to continue in his/her program of study, the credit hours that are allowed the following semester may be limited.

A student 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 average to 3.0.

### **ACADEMIC SUSPENSION**

A student who accumulates **two grades of “C” or below** may be placed on Academic Suspension. A grade of “C” in a major course normally will necessitate retaking the course.

If a student on academic probation does not attain the required 3.0 average, he/she will be placed on Academic Suspension and will not be permitted to enroll in courses during the period of suspension. Conditions for continuation in the graduate programs must be recommended by the Program Advisor and the Director of the appropriate graduate program.

### **ACADEMIC DISMISSAL**

A student on academic probation who fails to raise his/her CUMULATIVE grade point average to 3.0 within two semesters will be dismissed from the Graduate Program.

### **APPEAL**

A student has the right to appeal his/her dismissal from the Graduate Program to the Graduate Council. This appeal for review requires a letter written by the student to the Graduate Council in care of the Director of Graduate Studies explaining extenuating circumstances that resulted in poor academic performance.

### **READMISSION FOLLOWING DISMISSAL**

A student who desires readmission to the university following suspension/dismissal must make an appointment with his/her advisor and discuss the reasons for petitioning for readmission. Following that meeting, the student must complete a readmission form and submit it to the Director of Graduate Admissions; it must be approved by the Director of the appropriate graduate program.

If the student is readmitted, that student must make an appointment with his/her advisor for permission to register for a graduate course(s). A student readmitted after suspension/dismissal is placed on academic probation and will be dismissed if he/she does 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 Director of Graduate Studies within two weeks of receiving notification.

## STUDENT DISCIPLINE

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

## ACADEMIC STANDARDS

To be awarded a master's degree, a student must have achieved a "B" (3.0) average in all required coursework. A high level of scholarship must be maintained if continuance in graduate study is to be approved. 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
W\$	(Administrative withdrawal for financial reasons)	0

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 "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. A student who withdraws from a course unofficially by not completing the previously stated withdrawal process incurs a grade of "F".

## GRADUATION

Xavier University recognizes three completion dates: Fall, Spring, and Summer. For Education and Counseling students, the university conducts one commencement exercise, which is held following the completion of the Spring Semester each year. For Theology students, the university conducts one commencement exercise which is held at the completion of the summer session.

## SPECIFIC REQUIREMENTS FOR EDUCATION AND COUNSELING STUDENTS

### 1. ENGLISH WRITING COMPETENCY REQUIREMENTS

All education and counseling graduate students are required to demonstrate competency in written English. This requirement shall be met by taking a course in advanced writing. Students who feel competent in this area may decide to test out of this course by submitting a writing sample during graduate orientation. If successful, they must select an elective to replace the Advanced Writing course. The program advisor and the Director of the Division of Education must approve the elective.

### 2. 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.

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 counseling majors must take and pass the national Comprehensive Preparation Counselor Examination (CPCE) in order to receive the Master of Arts in Counseling degree. CPCE is the written comprehensive examination that satisfies the University requirement for comprehensive examinations.

### **3. THESIS REQUIREMENTS**

A student may choose the option of writing a thesis in lieu of a written comprehensive examination. However, the student must enroll in EDCI/EDAD 7500 – Thesis – for 6 hours of graduate credit the semester prior to his/her last semester. The grade will be posted at the end of the next semester. For details related to the Thesis Requirement, please refer to the Division of Education's *Graduate Student Handbook*.

## MASTER OF ARTS

### M.A. EDUCATIONAL LEADERSHIP

This advanced level program is designed to prepare educational leaders. All programs meet current Louisiana state requirements for required coursework leading to state certification. For Louisiana Educational Leadership certification, the applicant must also take and pass the Educational Administrative and Supervisory Area Examination of the National Teachers Examination (NTE). The current (2000) score required by the State is 620 for employment in public schools as principals or assistant principals. In addition, candidates must possess a valid Type A Louisiana Teaching Certificate and have completed five or more years of classroom teaching. Post-master's degree courses leading toward state certification in these areas are also available.

#### SEQUENCE AND LISTING OF COURSES

<i>Course Numbers and Titles</i>	<i>Semester Hours</i>
EDAD 5555 Visionary Leadership	3
EDAD 5555I Visionary Leadership Internship	1
EDCG 5070 Statistics	3
EDAD 5030 Collaborative Leadership	3
EDAD 5030I Collaborative Leadership Internship	1
EDAD 5570 Management of School Personnel & Finance	3
EDAD 5570I Management of School Personnel & Finance Internship	1
EDAD 5540 Educational Law	3
EDAD 5540I Educational Law Internship	1
EDAD 5060 Curriculum Progression	3
EDAD 5060I Curriculum Progression Internship	1
EDAD 5020 Supervision of Instruction & Assessment	3
EDAD 5020I Supervision of Instruction & Assessment Intern	1
EDCG 5010 Research Methodology	3
EDAD 5040 Organizational Leadership	3
EDAD 5040I Organizational Leadership Internship	1
EDAD 5580 Capstone Seminar	2
EDAD 7000 Comprehensive Examination in Educational Leadership	0
<b>Total Hours</b>	<b>36</b>

\* Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

## M.A. CURRICULUM AND INSTRUCTION READING SPECIALIST

### SEQUENCE AND LISTING OF COURSES

<i>Course Numbers and Titles</i>	<i>Semester Hours</i>
EDCG 5070 Statistics	3
EDCG 5083 Special Problems in Research	3
EDCG 5010 Research Methodology	3
GENG 5160 Writing Across The Curriculum	3
EDCI 5130 Foundations of Reading Instruction	3
EDCI 5810 Special Topics in Literacy Education	3
EDCI 5170 Diagnostic/Prescriptive Reading	3
EDCI 5200 Practicum in Reading	3
EDCI 5210 Clinical Practicum in Reading	3
EDCI 5820 Adv. Seminar: Children's Literature	3
EDCG 5775 School-Age Language Learning Problems	3
EDCI 5140 Teaching Reading in the Content Areas	3
EDCI 7500 Thesis Writing	3
<b>Total Hours</b>	<b>39</b>

\* Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

## M.A. COUNSELING

The Counseling program offers areas of concentration in school counseling and community counseling. The school counseling course of study meets the requirements of the State of Louisiana for the five-year provisional counselor certification. The requirement for permanent counselor certification is nine hours above the Master's degree. The program in community counseling meets the requirement of the Board of Louisiana Professional Counselors leading to certification as a Licensed Professional Counselor (L. P. C.).

## SCHOOL COUNSELING

### SEQUENCE AND LISTING OF COURSES

<i>Course Numbers and Titles</i> <i>Area A/Core I</i>	<i>Semester Hours</i>
ECSS 5610 Foundations & Ethics of Counseling Profession	3
ECSS 5620 Counseling Techniques	3
ECSS 5905 Counseling Theories	3
EDCG 5070 Statistics	3

<i>Course Numbers and Titles Area B/Core II and Specialization</i>	<i>Semester Hours</i>
ECSS 5010 Counseling Research Methodology	3
ECSS 5640 Assessment in Counseling	3
ECSS 6202 Multicultural Counseling	3
ECSS 5655 Group Work in Counseling	3
ECSS 5687 Lifestyle and Career Development	3
ECSS 6120 Behavior Disorders of Children and Adolescents	3
ECSS 5660 School Consultation	3
ECSS 5645 Organization & Administration of School Counseling Programs	3

<i>Course Numbers and Titles Area C Professional Clinical Experience</i>	<i>Semester Hours</i>
ECSS 5657 School Counseling Practicum	3
ECSS 7307 School Counseling Internship I	3
ECSS 6312 School Counseling Internship II	3
<b>TOTAL MINIMUM OF SEMESTER HOURS REQUIRED</b>	<b>48</b>

<i>Course Numbers and Titles Area D/Completion</i>	<i>Semester Hours</i>
ECSS 7500 Thesis	3
ECSS 7000 Comprehensive Examination (CPCE)	3

<i>Suggested Electives Offerings</i>	<i>Semester Hours</i>
ECSS 5804 Family and Systems Counseling	3
ECSS 5805 Substance Abuse and Addictions Counseling	3
ECSS 5910 Advanced Counseling Techniques	3
ECSS 6110 Psychopathology and Diagnosis	3

A person who has a Master's degree in an area other than Counseling may obtain certification in counseling after completing the courses listed below:

ECSS 5610 Foundations & Ethics of Counseling Profession  
 ECSS 5620 Counseling Techniques  
 ECSS 5640 Assessment in Counseling  
 ECSS 5655 Group Work in Counseling  
 ECSS 5687 Lifestyle and Career Development  
 ECSS 5665 Counseling Practicum\*\*  
 ECSS 6202 Multicultural Counseling  
 ECSS 6210 Human Growth and Development

\* Students must register for comprehensive examinations at the beginning of the semester in which they expect to complete their program of study.

\*\*Practicum is taken at the conclusion of the counseling program.

A Master's Degree with a minimum of forty-eight hours is required by the State of Louisiana for licensure. The following courses are required of all Licensed Professional Counselors:

ECSS 5905 Counseling Theories of personality  
 ECSS 6210 Human Growth and Development  
 ECSS 6110 Psychopathology and Diagnosis  
 ECSS 5620 Counseling Techniques  
 ECSS 5655 Group Work in Counseling  
 ECSS 5687 Lifestyle and Career Development  
 ECSS 5640 Assessment in Counseling  
 ECSS 5658 Practicum  
 ECSS 6308/6313 Internship

## COMMUNITY COUNSELING

### SEQUENCE AND LISTING OF COURSES

<i>Course Numbers and Titles Area A/Core I</i>	<i>Semester Hours</i>
ECSS 5610 Foundations & Ethics of Counseling Profession	3
ECSS 5620 Counseling Techniques	3
ECSS 5905 Counseling Theories	3
EDCG 5070 Statistics	3

<i>Course Numbers and Titles Area B/Core II and Specialization</i>	<i>Semester Hours</i>
ECSS 5010 Counseling Research Methodology	3
ECSS 5640 Assessment in Counseling	3
ECSS 6202 Multicultural Counseling	3
ECSS 6210 Human Growth and Development	3
ECSS 5655 Group Work in Counseling	3
ECSS 5687 Lifestyle and Career Development	3
ECSS 6110 Psychopathology and Diagnosis	3
ECSS 5910 Advanced Counseling Techniques	3
ECSS 5650 Organization & Administration of Community Counseling Programs	3
ECSS 6120 Behavior Disorders of Children and Adolescents	3

<i>Course Numbers and Titles Area C Professional Clinical Experience</i>	<i>Semester Hours</i>
ECSS 5658 Community Counseling Practicum	3
ECSS 6308 Community Counseling Internship I	3
ECSS 6313 Community Counseling Internship II	3
<b>TOTAL MINIMUM OF SEMESTER HOURS REQUIRED</b>	<b>48</b>

<i>Course Numbers and Titles Area D/Completion</i>	<i>Semester Hours</i>
ECSS 7500 Thesis	3
ECSS 7000 Comprehensive Examination (CPCE)	3

<i>Suggested Electives Offerings</i>	<i>Semester Hours</i>
ECSS 5804 Family and Systems Counseling	3
ECSS 5805 Substance Abuse and Addictions Counseling	3
ECSS 6120 Behavior Disorders of Children and Adolescents	3

\* Students must apply for Candidacy upon completion of core courses.

\*\* Students must register for the Comprehensive Examination or Thesis at the beginning of the semester in which they expect to complete their program of study.

**MASTER OF ARTS IN TEACHING  
(INITIAL CERTIFICATION)**

**M.A.T.: SPECIAL EDUCATION MILD/MODERATE K-12**

**SEQUENCE AND LISTING OF COURSES**

<i>Knowledge of the learner and the Learning Environment</i>	<i>Semester Hours</i>
EDCI 5440P The Exceptional Child	3
EDCI 5910 Behavioral Approaches to Managing the Mild/Moderate	3
EDCI 6042P Classroom Organization and Management	3
EDCG 5090P Advanced Educational Psychology	3
EDCI 5382 Survey of Assessment	3

<i>Methodology and Teaching</i>	<i>Semester Hours</i>
EDCI 5130P Foundations of Reading Instruction	3
EDCI 5170P Diagnostic/Prescriptive Reading Instruction	3
EDCI 5900 Methods of Teaching Students with Learning and Behavioral Problems	3
EDCI 6055 Vocational and Transitional Services	3

<i>Teaching and Internship</i>	<i>Semester Hours</i>
EDST 5372S Internship (Full Year) OR	9
EDUC 5060A Student Teaching (One Semester)	9
EDCI 7000 Comprehensive Examination PRAXIS: Sp Ed	0
<b>Total Hours</b>	<b>36</b>

**M.A.T.: ELEMENTARY EDUCATION (GRADES 1-5)**

**SEQUENCE AND LISTING OF COURSES**

<i>Knowledge of the learner and the Learning Environment</i>	<i>Semester Hours</i>
EDCI 5220 Growth and Development of the Child and Adolescent	3
EDCI 5440E The Exceptional Child	3
EDCI 6042E Classroom Organization and Management	3
EDCG 5090E Advanced Educational Psychology	3
EDCI 5382 Survey of Assessment	3

<i>Methodology and Teaching</i>	<i>Semester Hours</i>
EDCI 5340 Elementary School Curriculum	3
EDCI 5060E Multicultural Education	3
EDCI 5130E Foundations of Reading	3
EDCI 5170 E Diagnostic/Prescriptive Reading Instruction	3

<i>Teaching and Internship</i>	<i>Semester Hours</i>
EDST 5372E Internship (Full Year) OR	9
EDUC 5060A Student Teaching (One Semester)	9
EDCI 7000 Comprehensive Examination PRAXIS PLT	0
<b>Total Hours</b>	<b>36</b>

## M.A.T.: SECONDARY EDUCATION

### SEQUENCE AND LISTING OF COURSES

<i>Knowledge of the learner and the Learning Environment</i>	<i>Semester Hours</i>
EDCI 5440S The Exceptional Child	3
EDCG 5350 Advanced Adolescent Psychology	3
EDCI 6042S Classroom Organization and Management	3
EDCG 5090S Advanced Educational Psychology	3
EDCI 5382 Survey of Assessment	3

<i>Methodology and Teaching</i>	<i>Semester Hours</i>
EDCG 5500 Instructional Technology	3
EDCI 5140 Reading in the Content Area	3
EDCI 5060S Multicultural Education	3
EDCI 5380/82S Secondary School Curriculum	3

<i>Teaching and Internship</i>	<i>Semester Hours</i>
EDST 5372S Internship (Full Year) OR	9
EDUC 5060A Student Teaching (One Semester)	9
EDCI 7000 Comprehensive Examination PRAXIS PLT	0
<b>Total Hours</b>	<b>36</b>

<h3 style="margin: 0;">SPECIFIC REQUIREMENTS FOR MASTER OF THEOLOGY STUDENTS</h3>
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This program is intended for college graduates who desire a holistic, interdisciplinary Black Catholic Theological program to prepare them to participate in the Catholic mission in the Black community as a 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 blends rigorous academic work with experiential learning and equips 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, sound personal growth, and effective ministry that contribute to the continual building of the life of the faith Community.

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 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 EXAMINATION**

A written qualifying examination is required of every candidate for a master's degree. This serves as an opportunity for a detailed review of material encountered in those courses designed as the Core and Area Requirements for the M.Th. Degree Program. 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 in the area of concentration. The written comprehensive examination is designed to test the candidate's mastery of his or her major field and not simply the course material.

### **2. 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 Graduate Studies and 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.

### **3. 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

### **4. 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 learnings and insights from 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 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 THEOLOGY REQUIREMENTS

### GENERAL REQUIREMENTS

	<i>Semester Hours</i>
Total Requirements	40
Core Courses	22
Electives	12
Practicum (Thesis and Praxis)	6

### SEQUENCE OF COURSES

<i>Course Numbers and Titles</i>	<i>Semester Hours</i>
<b>Introductory (Required of all first year students)</b>	
IBTH 5000 Pro-seminar (Methodology)	1
IBTH 5010 Black Approaches to Theology	3
<b>Core Courses</b>	
IBTH 5020 History of Black Catholicism	3
IBTH 5030 Black Approaches to Scripture	3
IBTH 5060 Black Psychology	3
IBTH 5600 Moral Question in Black Community	3
One course from aesthetics: (IBTH 5425, 5430, 5440)	3
One course from systematics: (IBTH 5081, 5095)	3
<b>Qualifying Exam</b>	
IBTH 5999 Qualifying Exam	0
<b>Integrative Exercises</b>	
IBTH 6000 Practicum (Thesis and Praxis)	6
IBTH 7000 Comprehensive Exam*	0
<b>Total Hours</b>	<b>40</b>

\* 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.

### MASTER OF THEOLOGY ELECTIVES

<i>Course Numbers and Titles</i>	<i>Semester Hours</i>
<b>THEOLOGY</b>	
<b>Systematics</b>	
IBTH 5081 Christology	3
IBTH 5095 Church: The Mission	3
IBTH 5100 African, Black, Liberation Theologies	3
<b>Philosophy</b>	
IBTH 5110 Black Philosophy	3
<b>History</b>	
IBTH 5025 Black Saints	3
IBTH 5224 African Middle Ages	3
IBTH 5200 History of Black Church: USA	3
<b>Aesthetics</b>	
IBTH 5040 Black Religion and the Arts	3
IBTH 5425 Slave Narratives	3
IBTH 5430 Spirituality of Black Literature	3
IBTH 5440 The Spirituals	3
<b>Spirituality</b>	
IBTH 5114 History of Black Spirituality	3
IBTH 5220 Major Themes in Black Religious Theology	3

<b>PASTORAL THEOLOGY</b>	
<b>Catechetics</b>	
IBTH 5050 Catechetics	3
<b>Preaching</b>	
IBTH 5070 Preaching	3
IBTH 5071 Preaching II	3
<b>Sacraments</b>	
IBTH 5080 Black Approach to Sacraments	3
<b>Liturgy</b>	
IBTH 5120 Liturgy and Black Celebration	3
<b>Education</b>	
IBTH 5620 Education in the Black Community	3
IBTH 5625 Catholic Education in the Black Community	3
IBTH 5669 African American Youth Ministry	3
<b>SOCIAL SCIENCES</b>	
<b>Psychology</b>	
IBTH 5063 Pastoral Counseling: A Black Perspective	3
<b>Sociology</b>	
IBTH 5640 Leadership Styles in Ministry	3
IBTH 5660 Marriage and Family	3
IBTH 5665 Issues in Black Family	3

# COURSE DESCRIPTIONS

**NOTE: NOT ALL COURSES ARE TAUGHT EVERY YEAR. SOME COURSES ARE OFFERED DEPENDING ON AVAILABILITY OF PROFESSORS AND INTEREST OF STUDENTS.**

## ACCOUNTING (ACCT)

**1010 - 1020. Principles of Accounting I and II** – Each usually offered fall and spring. Application of modern accounting principles of sole proprietorship, partnerships, and corporations. Prerequisite: Completion of all required developmental courses. Courses must be taken in sequence. (3 - 3)

**1030. Survey of Accounting** – Familiarize students with the use of accounting data as a decision making tool. Accounting statements and ratios pertaining to analyses of situations which students will encounter in business will be used. This course is open to students working on a minor in Business Administration, Sales and Marketing or Entrepreneurship. (3)

**2010 - 2020. Intermediate Accounting I and II** – 2010 usually offered in fall; 2020 usually offered in spring. Nature and content of balance sheet accounts, principles of their determination. Interpretation of financial statements. Courses must be taken in sequence. Prerequisite: ACCT 1020. (3 - 3)

**2050. Managerial Accounting** – Usually offered in fall and spring. 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. Pre-requisite: ACCT 1020. (3)

**3010. Advanced Accounting** – Usually offered fall semester. Advanced phases of partnership and corporation accounting, consolidated balance sheets, profit and loss statements, and issues in international accounting. Prerequisite: ACCT 2020. (3)

**3030. Tax Accounting** – Usually offered fall semester. 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. (3)

**3040. Auditing** – Usually offered spring semester. Accepted principles and practices of auditing that underlie balance sheets, detailed and continuous audits; auditor's certificate and audit reports; completion of practice and audit case. Prerequisite: ACCT 2020. (3)

**3070. Elementary Cost Accounting** – Usually offered fall semester. Accounting factors of manufacturing and distribution of cost, use of entries, books, records, reports in modern cost systems. Prerequisite: ACCT 2020. (3)

**3080. Advanced Cost Accounting** – Usually offered spring semester. Problems of cost control; estimation of cost systems; predetermined costs, flexible budgets, analysis and treatment of cost variances for managerial purposes. Prerequisite: 3070. (3)

**3090. Governmental Accounting** – Usually offered spring semester. Accounting principles and practices of governmental agencies and other not-for-profit organizations. Accounting for various governmental funds emphasized. Prerequisite: ACCT 2020. (3)

**4000. Seminar** – Usually offered spring semester. Selected topics in accounting. The use of personal computers in processing accounting data, management reports and financial decision making. Prerequisite: ACCT 3010 and senior standing. (3)

**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. (3)

**4501, 4502, 4503. Directed Readings in Accounting** – Usually offered fall and spring semesters. Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. **(1, 2, 3)**

**4999.Senior Comprehensives – (0)**

## **AEROSPACE STUDIES (AERO)**

### **General Military Courses**

**1010/1010L-1020/1020L. Foundations of the United States Air Force I and II** – Survey courses designed to introduce cadets to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, and an introduction to communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences. **(1/0-1/0)**

**1210/1210L-1220/1220L. The Evolution of USAF Air and Space Power I and II** – Examines the general aspects of air and space power through a historical perspective. The course covers a time period from the first balloons and dirigibles to the 21<sup>st</sup> century war on terrorism. Historical examples are provided to extrapolate the development of Air Force capabilities (competencies), and missions (functions) to demonstrate the evolution of air and space power. The course examines fundamentals associated with war in the third dimension: e.g., principles of war and tenets of air and space power. As a whole, this course provides cadets with a knowledge level understanding for the employment of air and space power, from a doctrinal and historical perspective. In addition, students continue discussing the importance of the Air Force Core Values, through operational examples and historical Air Force leaders, and continue to develop their communications skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences. **(1/0-1/0)**

### **Professional Officer Courses**

**3010/3010L- 3020/3020L. Air Force Leadership Studies I and II**– A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, ethics, and the communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory leadership laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply the leadership and management principles of this course. **(3/0 - 3/0)**

**4010/4010L- 4020/4020L. National Security Affairs and Preparation for Active Duty I and II** – Examines the national security process, regional studies, ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. A mandatory leadership laboratory complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles of this course. **(3/0 - 3/0)**

## **AFRICAN AMERICAN STUDIES (AFAM)**

**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)**

**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)

**2020. Special Topics in African American Studies** – This course is designed to more fully develop topics, genres, periods, and texts that are touched upon in the Introduction to African American History course (AFAM 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)

**2030. (SOCI 2030) Survey of Africa** – Usually offered spring semester. Interdisciplinary course dealing with traditional (pre-European), colonial, and post-independence African political, social, and economic structures and institutions. Course also focuses on problems of social, political, and economic development facing contemporary African nations. (3)

**2060. (SOCI 2060) Race and Ethnic Relations** – Issues, problems, and research findings of race, ethnic, and minority group relations. Race differences; patterns of racial and ethnic migration; patterns of race and ethnic conflict; stages in racial and ethnic group contact; the distributive, social, psychological, and organizational dimensions of inequality; various types of resolutions to racial and ethnic group contact. Emphasis is on American black-white relations, American ethnic groups, religious conflict, and racial and ethnic group contacts in Europe, Asia, Africa, and Latin America. (3)

**3025. (SOCI 3025) 20<sup>th</sup> Century African American Urban Life** – This interdisciplinary course examines African Americans as agents in shaping the 20<sup>th</sup> 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: AFAM 2000. (3)

**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 studies. Prerequisite: AFAM 2000. (3)

**3050. (HIST 3050) Gandhi and King: Nonviolent Philosophy of Conflict Resolution** – 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. (3)

**3085. (SOCI 3085) Sociology of the African American Experience** – Through the application of sociological concepts, theory, and methods, this course will focus on the socio-historical experience of African Americans as the social institutions in US society. Included will be a critical examination of the African Diaspora. Prerequisites: SOCI 2060 and AFAM 2000. (3)

**3290. (ENGL 3290) 20th Century Survey of African American Writers** – A study of major African American texts of the twentieth century, from the Harlem Renaissance to the contemporary period. (3)

**3350. (HIST 3350) African American History I** – 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. (3)

**3360. (HIST 3360) African American History II**– 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)

**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 disciplines of history, sociology, political science, and anthropology. 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)

**3375. (ENGL 3175) Survey of African Literature** – Introduction to African folklore, poetry, fiction, and drama. (3)

**4000. Seminar in African American Studies**– Research and writing intensive seminar, exploring the critical issues and texts which define the interdisciplinary nature of African American Studies. Research is required that synthesizes knowledge gained from the concentration in African American Studies. It is recommended that students complete all core requirements in the African American Studies minor before enrolling in this course. (3)

## AMERICAN SIGN LANGUAGE (AMSL)

**1010-1020. American Sign Language I and II**– 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. (3-3)

## ART (ART)

ART COURSES DESIGNATED WITH AN * ARE STUDIO, HANDS-ON COURSES.
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**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. (3)

**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. Prerequisite: ART 1010. (3)

**1030\*. Drawing Ia** – 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. (3)

**1040\*. Drawing Ib** – 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. Prerequisite: ART 1030. (3)

**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. (3)

**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. (3)

**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)

**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. (3)

**2020\*. (SMKT 2020) Introduction to Graphic and Advertising Design** – 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. (3)

**2030\*. Drawing IIa** – 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. Prerequisite: ART 1040. (3)

**2040\*. Drawing IIb** – Exploration of formal and expressive potentials of the human figure; traditional and experimental techniques. Various media and expressive techniques. Prerequisite: ART 2030. (3)

**2070\*. Introduction to Sculpture** – Introduction to basic sculptural processes and materials through construction, modeling, mold making, and metal casting. (3)

**2080\*. Introduction to Printmaking** – An introduction to multiple image making through relief, intaglio, planographic, and stencil processes. (3)

**2090. Art Essentials for Teachers** – Art education for elementary education majors; theory, practice; experience with materials, techniques. (3)

**2110. History of Art Ia** – A survey of art and architecture from its prehistoric beginnings through the Middle Ages. (3)

**2120. History of Art Ib** – A survey of western art and architecture from the Renaissance to the present. (3)

**2130-2140. 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, related activities. Prerequisite: ART 2130 is a prerequisite for ART 2140. (3-3)

**2600. Developing Community Programs through the Arts** – 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)

**3000. Trends in Art Education** – An intensive study of the major issues in art education with an emphasis on the literature since 1950. (3)

**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. Prerequisite: ART 2011. (3)

**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. (3)

**3030\*-3040\*. Drawing III a-b** – Continuation of Drawing II in the advanced study of drawing. Prerequisite: ART 2040 is a prerequisite for ART 3030 and ART 3030 for ART 3040. (3-3)

**3050\*-3060\*.Painting II a-b** – 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. Prerequisite: ART 1060 is a prerequisite for ART 3050 and ART 3050 for ART 3060. (3-3)

**3070\*-3080\*.Sculpture II a-b** – 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. Prerequisite: ART 2070 is a prerequisite for ART 3070 and ART 3070 for ART 3080. (3-3)

**3090\*-3100\*.Printmaking II a-b** – 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. Prerequisite: ART 2080 is a prerequisite for ART 3090 and ART 3090 for ART 3100. (3-3)

**3110\*-3120\*.Ceramics II a-b** – 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. Prerequisite: ART 1050 is a prerequisite for ART 3110 and ART 3110 for ART 3120. (3-3)

**3150\*.Creative Crafts** – Art quality including creative use of various materials such as fiber, metal, leather, wood, etc. (3)

**3170\*.Calligraphy** – Knowledge, skills in letter structure, work and word-group design, calligraphic and built-up letter forms. (3)

**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)

**4010\*-4020\*.Graphic and Advertising Design II a-b** – From roughs to finished work for reproduction. Critically solve practical design problems while expanding electronic techniques emphasizing production methods. Basic web page design and production are explored. Prerequisite: ART 2020 is a prerequisite for ART 4010 and ART 4010 for ART 4020. (3-3)

**4030\*-4040\*.Drawing IV a-b** – Advanced work from human figure; various creative approaches in many media. Prerequisite: ART 3030 is a prerequisite for ART 4030 and ART 4030 for ART 4040. (3-3)

**4050\*-4060\*.Painting III a-b** – Continuation of painting II. Advancement in visual consciousness, technical skills as means to significant work. Prerequisite: ART 3060 is a prerequisite for ART 4050 and ART 4050 for ART 4060. (3-3)

**4070\*-4080\*.Sculpture III a-b** – Continuation of ART 3070-3080. Carving, modeling, casting construction; welding, brazing soldering, etc. Prerequisite: ART 3070 is a prerequisite for ART 4070 and ART 4070 for ART 4080. (3-3)

**4090\*-4100\*.Printmaking III a-b** – Experimental prints, various methods/ processes; advanced lithography, etching, serigraphy, woodcut, calligraphy. Prerequisite: ART 3090 is a prerequisite for ART 4090 and ART 4090 for ART 4100. (3-3)

**4110\*-4120\*.Ceramics III a-b** – Continuation of ART 3110-3120; development of skills in pottery making; creative design, exploration of techniques. Prerequisite: ART 3110 is a prerequisite for ART 4110 and ART 4110 for ART 4120. (3-3)

**4130.African Art** – This course is a survey of 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)

**4140.Art of the African Diaspora** – This course is a discussion of the trends and stylistic changes in the art of African descended peoples around the world after slavery. (3)

**4150\*-4160\*.Painting IV a-b** – Continuation of ART 4050-4060. Prerequisite: ART 3090 is a prerequisite for ART 4090 and ART 4090 for ART 4100. **(3-3)**

**4170\*-4180\*.Sculpture IV a-b** – Continuation of ART 4070-4080. Prerequisite: ART 4080 is a prerequisite for ART 4170 and ART 4170 for ART 4180. **(3-3)**

**4190\*-4200\*.Printmaking IV a-b** – Continuation of ART 4090-4100. Prerequisite: ART 4090 is a prerequisite for ART 4190 and ART 4190 for ART 4200. **(3-3)**

**4210\*-4220\*.Graphic and Advertising Design III a-b** – Continuation of ART 4010-4020. Prerequisite: ART 4020 is a prerequisite for ART 4210 and ART 4210 for ART 4220. **(3-3)**

**4310\*-4320\*.Ceramics IV a-b** – Continuation of ART 4110-4120. Prerequisite: ART 4110 is a prerequisite for ART 4310 and ART 4310 for ART 4320. **(3-3)**

**4410\*-4420\*.Graphics and Advertising Design IV a-b** – Continuation of ART 4210-4220. Prerequisite: ART 4210 is a prerequisite for ART 4410 and ART 4410 for ART 4420. **(3-3)**

**4501, 4502, 4503. Directed Readings in Art** – Students work under the direction of faculty members to fulfill their needs and interests. **(1, 2, 3)**

**4999.Senior Comprehensives** – **(0)**

## **BEHAVIORAL SCIENCE (BHSC)**

**2511.(PSYC 2511) Analytic Research I** – Usually offered fall and spring semester. A calculational survey of introductory statistics. Examines both descriptive and inferential statistical processes. Prerequisite: PSYC 1010 and completion of all developmental mathematics requirements. **(3)**

**3010.(PSYC 3010) Social Psychology** – Usually offered fall semester. 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. **(3)**

**3370.(PADM 3370UV) Administrative Behavior** – Usually offered spring semester. Concepts of administrative behavior in public organizations, including decision-making, leadership, small group behavior, and analysis of such organizations as social systems. **(3)**

**3510.Analytic Research II** – Usually offered spring semester. Focus on use of factorial ANOVA and multiple regression as well as non-parametric and contingency-table techniques for analysis. Intermediate issues in research design are covered, with intermediate SPSS programming and beginning BMDP programming. Each student will design a significant research project. Prerequisite: BHSC 2511. **(3)**

**4510.Analytic Research III** – Usually offered fall semester. Intended for students specializing in research or aspiring to graduate studies. Advanced statistical techniques as well as advanced issues in research applications and statistical programming. Students will complete a significant research project. **(3)**

**4800.(PSCI 4800) Advanced Research in the Behavioral Sciences** – Intended for students preparing for a research-oriented career or planning on pursuing graduate study in their discipline. Focus on quantitative analysis of data using mainframe computers and SPSS and the presentation of reports and hypothesis testing. Students will complete a significant research project within a general topic area and using a large data set selected by the instructor. Prerequisites: BHSC 2511 (PSYC 2511) and either PSYC 2512 or PSCI 2010, or consent of instructor. **(3)**

**4830.(PCLN 4830, PHAD 4830) Drug and Substance Abuse Education** – Usually offered spring semester. The terminology of drug use and abuse; the physiological, psychological, sociological, and legal implications of drug abuse; techniques of providing innovative education in drug and substance abuse. Student participation and group interaction. **(3)**

## **BIOLOGY (BIOL)**

**1030/1030L - 1040/1040L. General Biology**– Modern concepts in biology for the non-science major. Lecture and laboratory should be taken concurrently. NOT APPLICABLE TO MAJOR OR MINOR IN BIOLOGY. (2/1 - 2/1)

**1050. Environmental Biology** – The biological and social implications of the relationship between the environment and human society. **NOT APPLICABLE AS A BIOLOGY ELECTIVE FOR STUDENTS MAJORING OR MINORING IN BIOLOGY.** (3)

**1230/1230L - 1240/1240L. General Biology**– Science Majors. Basic biological principles and concepts as they apply to all levels of organization. BIOL 1230 is a prerequisite for 1240. (3/1 - 3/1)

BIOL 1240 IS A PREREQUISITE FOR ALL HIGHER-NUMBERED COURSES IN BIOLOGY.
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**2000/2000L. Biodiversity** – Survey of biological diversity, basic principles and concepts of biological systematics, taxonomy, evolutionary theory, and ecology. (3/1)

**2010/2010L. General Microbiology**– Study of microorganisms. Laboratory emphasizes principles of bacteriological technique, microscopic study, and environmental influences affecting microorganisms. (3/1)

**2340. (SPTH 2340) Anatomy and Physiology of Speech and Hearing Mechanism** – Identification and function of structures pertinent to the processes of speech and hearing. FOR SPEECH PATHOLOGY MAJORS AND MINORS ONLY. (3)

**2400. (EDEL 2400) Nutrition** – Basic concepts of human nutrition, including importance of food to the body; the nature and composition of foods; release and utilization of nutrients; planning the daily diet and the process of digestion and absorption. **FOR EDUCATION MAJORS ONLY.** (3)

**3000/3000L. 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. (3/1)

**3070/3070L. Immunology** – Basic concepts of immunology and immunological disorders. Laboratory includes discussions and application of the basic principles of serology. Prerequisite: BIOL 2010 or permission of instructor. (3/1)

**3081/3081L. 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: BIOL 2010/2010L and CHEM 2210 or permission of instructor. (3/1)

**3091/3091L. Cell Biology**– Molecular basis of eucaryotic cell structure and function. Laboratory introduces techniques used in the study of cells. Prerequisite: CHEM 1020/1020L. (3/1)

**3110/3110L. Genetics**– Fundamental principles of classical and molecular genetics. Prerequisite: CHEM 1020/1020L. (3/1)

**3141/3141L. General Zoology** – Structure and function of vertebrate and invertebrate animals in an evolutionary context. (3/1)

**3151/3151L. General Botany** – Basic principles of the biology of plants. (3/1)

**3150. Virology**– General properties of viruses, their isolation and chemical composition. Special emphasis placed on molecular biology of bacterial and animal viruses. Prerequisite: BIOL 2010 or permission of instructor. (3)

**3162/3162L. Introduction to Embryology** – Analytical approach to major aspects of development. Laboratory stresses morphological development of selected vertebrates. Prerequisite: CHEM 1020/1021L. **LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. (4/0)**

**3210/3210L. Ecology** – The relationship between organisms and their environment. **(3/1)**

**3350/3350L. 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. (3/1)**

**3360/3360L. Parasitology**– Key aspects of the biology of parasitic animals. Special emphasis placed on those parasites of medical importance. Laboratory stresses microscopic study of parasites. **(3/1)**

**3450/3450L-3460. (PHCL 3450/3450L-3460) Human Physiology and Anatomy** – Comprehensive view of the human body emphasizing individual systems and their interactions with each other and exogenous materials. LIMITED TO PHARMACY STUDENTS.

**4000. (PHCY 4001) Cancer: Causes, Treatment and Disparities** – 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. Prerequisite: BIOL 2010/2010L, BIOL 3110/3110L. Co requisites: CHEM 4130/4130L (should at least be enrolled in it). Strongly recommended: BIOL 4250 **(3/1-3)**

**4011S-4020S. Honors Seminar** – Presentation and discussion of current biological problems and research interests as presented by faculty, students, and guest speakers. Takes the place of the BIOL 4210 requirement for seniors in the honors program. Prerequisite: 20 hours in biology and **ADMISSION TO THE "HONORS IN BIOLOGY" PROGRAM**. Prerequisite: Completion of BIOL 4011S. **(0/1)**

**4050/4050L. Animal Physiology**– Coordinated functional relationships of different taxa of animals with respect to adaptation to varied habitats and changing environment. **(3/1)**

**4091/4091L. Comparative Vertebrate Anatomy** – Evolutionary approach to the study of structural and functional relationships between several vertebrate taxa. Laboratory work requires extensive dissection. **LECTURE AND LABORATORY MUST BE TAKEN CONCURRENTLY. (4/0)**

**4111/4111L. 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: CHEM 1020/1020L. **(4/0)**

**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. Pre-requisite: Completion of all required biology courses. **(1)**

**4220. Applied and Environmental Microbiology**– Study of microorganisms as related to food, water, agricultural, and industrial processes. Prerequisites: BIOL 2010/2010L. **(3)**

**4240. Microbial Physiology**– Structure-function relationships in the microbial world, with emphasis on the biochemistry and metabolism of bacteria and selected other forms. Prerequisites: BIOL 2010, CHEM 2210 or permission of instructor **(3)**

**4250/4250L. Molecular Genetics** – Molecular biology of the gene. Special emphasis placed on comparison of gene expression in prokaryotes and eukaryotes. Prerequisites: BIOL 2010/2010L and CHEM 2210/2230L. **(3/1)**

**4300, 4301, 4302, 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. Prerequisites: 16 hours of biology AND permission of instructor. **(1, 2, or 3)**

**4320. Organic Evolution** – Modern synthetic theory of evolution with emphasis on the mechanisms involved in this process. Strongly recommended: BIOL 3110/3110L

**4350. Epidemiology**– Study of the distribution and determinants of diseases and injuries in human populations. Prerequisite: Completion of all required Biology courses in the major or permission of the instructor. The course includes lectures, class discussion, independent module work, and assigned readings and projects. (3)

**4402L. Techniques of Research in Biology** – Theory and practice of various modern biological research techniques. Modular, team taught. Prerequisite: Junior standing in biology. May be repeated once for credit. (2)

**4450. Introduction to Mammalian Tissue Culture** – Theory and techniques of mammalian tissue culture with an emphasis on application in basic and clinical research. Prerequisite: BIOL 2010 and 2010L and junior or senior standing. In addition, instructor's approval is needed since enrollment is restricted. (3)

**4520. Undergraduate Research**– Research participation for biology majors who have an established research project with a biology faculty member. Students whose research is mandated by a scholarship program are not permitted to register for this course. May be repeated once for credit. Prerequisites: Sophomore standing in Biology and permission of the biology department chair. (2)

**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. Prerequisites: Senior standing in Biology and 24 semester hours of biology. (3)

**4999. Senior Comprehensives** – (0)

#### **Courses offered through the Gulf Coast Research Laboratory**

Not all courses listed are offered each year. Interested students should consult the GCRL Summer Announcement for courses offered each summer.

MAR – 300 Marine Science I: Oceanography  
MAR – 300L Marine Science I: Oceanography Lab  
MAR – 301 Marine Science II: Marine Biology  
MAR – 301L Marine Science II: Marine Biology Lab  
MAR – 403 Marine Invertebrate Zoology  
MAR – 403L Marine Invertebrate Zoology Lab  
MAR – 404 Parasites of Marine Animals  
MAR – 404L Parasites of Marine Animals Lab  
MAR – 405 Marine Ecology  
MAR – 405 Marine Ecology Lab  
MAR – 406 Fauna/Faunistic Ecology Tidal Marshes  
MAR – 406L Fauna/Faunistic Ecology Tidal Marshes Lab  
MAR – 407 Marine Aquaculture  
MAR – 407L Marine Aquaculture Lab  
MAR – 408 Marine Ichthyology  
MAR – 408L Marine Ichthyology Lab  
MAR – 409 Marine Microbiology  
MAR – 409L Marine Microbiology Lab  
MAR – 410 Marine Fisheries Management  
MAR – 410L Marine Fisheries Management Lab  
MAR – 420 Marine Phycology  
MAR – 420L Marine Phycology Lab  
MAR – 421 Coastal Vegetation  
MAR – 421L Coastal Vegetation Lab  
MAR – 422 Salt Marsh Plant Ecology  
MAR – 422L Salt Marsh Plant Ecology Lab  
MAR – 430 Compar. Histology of Marine Organisms  
MAR – 430L Compar. Histology of Marine Organisms Lab  
MAR – 456 Marine Science for Teachers I

**MAR – 456L Marine Science for Teachers I Lab**  
**MAR – 457 Marine Science for Teachers II**  
**MAR – 457L Marine Science for Teachers II Lab**  
**MAR – 458 Marine Science for Elementary Teachers**  
**MAR – 458L Marine Science for Elementary Teachers Lab**  
**MAR – 482 Coastal Marine Geology**  
**MAR – 482L Coastal Marine Geology Lab**  
**MAR – 490 Special Problems in Marine Science**  
**MAR – 491 Special Topics in Marine Science**

**Courses offered through the Louisiana Universities Marine Consortium (LUMCON), Cocodrie, Louisiana**

Not all courses listed are offered each year. Interested students should consult the Consortium's Summer Announcement, available through the faculty liaison, for further information.

**Introduction to Marine Science**  
**Introduction to Marine Zoology**  
**Topics in Marine Science**  
**Special Problems in Marine Science**  
**Coastal Marine Geology**  
**Marine Ecology**  
**Marine Invertebrate Zoology**  
**Marine Science for Teachers**  
**Marine Vertebrate Zoology**

**BUSINESS ADMINISTRATION (BSAD)**

**1010.\* Introduction to Business** – Usually offered fall semester. Fundamentals of Business Administration; underlying principles of management, and structures and functions of its various departments. (3)

\* Open to business majors as a first business course only. Business minors cannot use course as a Business Elective.

**2011. Organizational Communications**– Usually offered fall semester. Concepts and applications of communication in business settings. Reading, writing, speaking, listening, and use of technology. Team decision-making, ethics, critical thinking, cross-cultural issues. Prerequisites: ENGL 1020. (3)

**3030. Business Law**– Usually offered spring semester. Commercial law as it affects accountancy - CPA law. (3)

**3035.\*\* Legal Aspects of Business** – Usually offered fall semester. A study of the basic legal concepts and procedures as well as basic principles pertaining to fundamental business transactions. (3)

\*\* Not open to Accounting majors.

**3055. Quantitative Analysis** – Usually offered fall and spring semesters. 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: ECON 2070. (3)

**3195. Computer-Based Information Systems** – Usually offered spring semester. 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. Prerequisites: MGT 2060. (3)

**3200. International Business** – Usually offered spring semester. Addresses the major activities involved in international business. Emphasis is placed upon marketing, finance, economics, management, accounting, taxation, culture, and politics as they apply to international business. Prerequisites: SMKT 2050, MGT 2060 or permission of chairperson or advisor. (3)

**3900-3905. Business Administration Summer Internship** – Usually offered summer semester. Ten to twelve weeks of work experience in business, industry, or government related to the student's academic program. Completion of two internship reports. Graded on Pass/Fail basis. Prerequisites: business department major, completion of 62 degree credit hours and 2.0 or above grade point average, or permission of department chairman. **(3,3)**

**4000. Business Policy** – Usually offered spring semester. 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 department chair is mandatory for this course. Prerequisites: MGT 2060, SMKT 2050 and FINC 3050. **(3)**

**4501, 4502, 4503. Directed Readings in Business Administration** – Usually offered fall and spring semesters. Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. **(1, 2, 3)**

**4999. Senior Comprehensives** – **(0)**

## **CHEMISTRY (CHEM)**

**1010/1010D.-1020/1020D. General Chemistry I-II** – Atomic structure, bonding, chemical stoichiometry and calculations, states of matter, thermochemistry, kinetics, electrochemistry, and equilibrium. 1010 and 1020 have three lectures per week. 1010D and 1020D are drill sessions meeting once per week. Prerequisites: Completion of all developmental Mathematics requirements. CHEM 1010/1010D are prerequisites for CHEM 1020/1020D. Corequisites: CHEM 1010 and 1010D; CHEM 1020 and 1020D. **(3/0 - 3/0)**

**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. Corequisites: CHEM 1010/1010D. **(1)**

**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. Prerequisites: CHEM 1010/1010D/1011L. Corequisites: CHEM 1020/1020D. **(1)**

**1500. Survey of Environmental Chemistry** – This course is a survey of the nature, reactions and transport of chemicals present in the environment. Basic chemical principles and laboratory skills will be introduced as students study: Energy and Resources in the Environment, Toxic Substances, Energy Production, Water Quality, Atmospheric Chemistry, Soil Chemistry, Restoration and Waste Management. Recommended for non-science majors. Prerequisites: None. **(3)**

**2210/2210D - 2220/2220D. Organic Chemistry I-II** – Introduction to the structural theories, physical and chemical behavior, synthesis, reaction mechanisms, and identification of compounds composed primarily of carbon and hydrogen. 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. 2210D and 2220D are drill sessions meeting once per week. Prerequisites: CHEM 1020/1020D/1021L are prerequisite to 2210/2210D; 2210/2210D are prerequisite to 2220/2220D. **(3/0 - 3/0)**

**2230L - 2240L. Organic Chemistry Laboratory I-II** – Students are introduced to microscale and macroscale organic laboratory techniques, selected instrumental analysis, and chemical safety. Students learn to critically assess their data and observations, and to prepare organized, scientific reports from their findings. In the second semester, these techniques are applied to experiments which correlate with material presented in the lecture. Students get hands-on experience with organic reactions, syntheses, instrumental analyses, and interpretations as well as presentation of results. Prerequisites: CHEM 1011L for 2230L; CHEM 2230L for 2240L. Corequisites: CHEM 2210/2210D for 2230L; CHEM 2220/2020D for 2040L. (I - 1)

**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. Prerequisites: CHEM 3210/3210L, MATH 1070, and PHYS 2020/2020L. (3)

**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. Prerequisites: CHEM 3210/3210L, MATH 2070, and PHYS 2020/2020L. (3)

**3030L. Physical Chemistry Laboratory I** – 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. Prerequisites: CHEM 3210/3210L. Corequisites: CHEM 3010 or 3030. (1)

**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. Prerequisites: CHEM 3210/3210L, MATH 2070, and PHYS 2020/2020L. (3)

**3040L. Physical Chemistry Laboratory II** – 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: CHEM 3210/3210L and CHEM 3010 or 3030. (1)

**3210/3210L. Quantitative Analysis** – Theory and techniques of chemical analysis including evaluation of data, gravimetric, volumetric, potentiometric, and spectrophotometric methods. 3210L is a one session four-hour laboratory which must be taken along with 3210. Prerequisites: CHEM 1020/1020D/1021L.(3/1)

**3220L. 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. Prerequisites: CHEM 2220/2220D/2240L. (2)

**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. Prerequisites: CHEM 2220/2220D, BIOL 1240. (3)

**4010. Advanced Inorganic Chemistry 1** – 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: CHEM 3030 or CHEM 3010. (3)

**4011. Advanced Inorganic Chemistry 2** – 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. Corequisite: CHEM 4010. (3)

**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. Prerequisites: CHEM 2220/2220D/2240L. (3)

**4080. Introduction to Research**– Students are paired with research mentors who prepare them for research through a literature search and studies as well as research training. Students are also required to attend seminars offered at the scheduled class period weekly. These seminars will include lectures on such topics as chemical safety and research ethics. Students are required to present a literature seminar or a research prospectus during the semester. Prerequisites: CHEM 2220/2220D/2240L. (0)

**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. Prerequisites: CHEM 4080 or permission of the course coordinator. (3)

**4093. Undergraduate Environmental Research** – Students participate in an independent and original research project in the area of environmental chemistry, under the close supervision of a faculty advisor. This entails familiarization with relevant chemical literature, laboratory and/or field work, preparation of an abstract and a written report, and presentation of a departmental seminar. Student who complete the course learn to search and critically review the literature, develop specialized laboratory skills, evaluate their data, prepare a formal and detailed written research report, and present a seminar for constructive review by their peers and the faculty. Students desiring credit for environmental research performed off campus must obtain approval of their project from the course coordinator, register for the course, and present the required written and oral reports and a letter of evaluation from the off-campus supervisor of the research. Prerequisites: CHEM 4080. (3)

**4120. (PHSC 4120) Pharmaceutical Biochemistry** – Students will be introduced to the structure and function of biomolecules, including their metabolism, synthesis, and degradation. They will learn major biochemical pathways and biochemical energetics. Students who complete the course will be aware of the significance of biochemistry relative to specific clinical problems. They will be cognizant of diseases derived from aberrant biochemical processes and of biochemical solutions based upon an understanding of molecular cellular processes. Prerequisites: CHEM 2220 or equivalent. Limited to Pharmacy students. (3)

**4130. (PHSC 4130) 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. Prerequisites: CHEM 2220/2220D/2240L. (3)

**4130L. 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. Prerequisites: CHEM 2220/2220D/2240L. (1)

**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: CHEM 4130. (3)

**4150/4150L. Genomics and Proteomics**– This course is designed to introduce students to the laboratory and computational methodologies used in analyzing DNA and proteins. It will employ molecular biology, chemistry, and bioinformatic techniques developed during the large-scale genome sequencing of multiple species including *homo sapiens*. A student completing this course will have better insight into the theoretical and practical aspects of understanding structure and function of DNA and proteins. CHEM 4150 and 4150L must be taken concurrently. Prerequisites: CHEM 4130/4130L and CHEM 3010 (or 3030). (3/0)

**4151, 4152, 4153. Special Topics** – Detailed discussion of one or more topics in chemistry. (1, 2, 3)

**4160/4160L. Enzymology**– A study of enzymes covering topics ranging from their isolation and purification from living organisms to their function and uses. The course will focus on complex kinetic studies and a study of the mechanism of action of complex enzymes. CHEM 4160 and 4160L must be taken concurrently. This course may be used as a senior capstone experience. Prerequisites: CHEM 4130/4130L and CHEM 3010 (or 3030). (3/0)

**4210. Advanced Organic Chemistry**– The aim of this course is to solidify the student's understanding of certain basic concepts covered in CHEM 2210-2220. 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. Prerequisites: CHEM 2220 and CHEM 3010 (or 3030) or permission of instructor. (3)

**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. Prerequisites: CHEM 2220/2220D/2240L and CHEM 3010 (or 3030). (3)

**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 and 4240L must be taken concurrently. Prerequisites: CHEM 3210/3210L. (4/0)

**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. Prerequisites: CHEM 3210/3210L. (2)

**4999. Senior Comprehensives**– (0)

## COMPUTER SCIENCE (CPSC)

STUDENTS MUST EARN A GRADE OF "C" OR ABOVE TO SATISFY THE PREREQUISITES IDENTIFIED IN THE FOLLOWING COMPUTER SCIENCE COURSES.
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**1005. Introduction to PC's and Software Applications** – Usually offered fall and spring semesters. An introductory computer course offered to non-majors or as a non-departmental elective. Basic hardware/software terminology. Hands-on instruction on business application software covering database management systems, spreadsheets and word processing using contemporary office software such as Microsoft® Office. (3)

**1010. Computing Challenges** – Usually offered fall semester. This course will introduce students to the broad range of computing problems. This course will discuss strategies for solving algorithmic and non-algorithmic problems; developing solutions for the web, in business, and the natural sciences; modeling real-world problems in applied mathematics and engineering; and the ethical issues that arise when technological solutions are applied to human problems. Prerequisite: None. (3)

**1710. Computer Science I** – Usually offered spring semester. Introduces the fundamental concepts of procedural programming. Topics include data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course also includes an introduction to computers and a history of programming languages. Problem solving techniques and software development are discussed and used in projects. CPSC 1710 has four lectures per week. Prerequisite: completion of all developmental mathematics courses. (4)

**1720. Computer Science II** – Usually offered fall semester. Introduces the concepts of object-oriented programming to students with a background in the procedural paradigm. A brief review of control structures and data types with an emphasis on structured data types and array processing is presented. The object-oriented paradigm is introduced with emphasis on the definition and use of classes along with the fundamentals of object-oriented design. Other topics include files, basic sorting and searching techniques, fundamental data structures (stacks and queues) and an introduction to software engineering issues. CPSC 1720 has four lectures per week. Prerequisite: CPSC 1710. (4)

**1760. Introduction to Programming in C** – A survey of the problem solving techniques, strategies and mechanisms available in the C language. Emphasis of the course is on development and implementation of top-down, structured solutions to problems. Topics include basic computer organization, the edit-compile-debug cycle, variable typing, arithmetic operations, basic input and output, functions, control flow mechanisms, arrays, pointers, strings, and structures. Prerequisite: completion of all developmental mathematics courses (3)

**1800. Fundamentals of Information Systems** – Systems theory, quality, decision making and the organizational role of information systems are introduced. Information technology including computing and telecommunications systems are stressed. Concepts of organization and information system growth and re-engineering are introduced. Prerequisite: Completion of all developmental mathematics courses. (3)

**2005. Advanced PCs & Software Applications** – Usually offered fall semester. An extension of Introduction to PCs & Software Applications (CPSC 1005) with further coverage of business application software. Hands-on instruction of advanced features of an integrated office suite such as Microsoft Office. Projects and presentations related to using the software. Prerequisite: CPSC 1005 or completion of all developmental mathematics courses. (3)

**2120. Computer Organization and Architecture** – Usually offered in the fall semesters, required for students majoring in computer science. The course will cover the fundamental internal workings of a computer and include lab exercises and simulations. The course begins at the bit (i.e., binary digit) level, works through the mechanisms of a single processor (both in single- and multi-cycle clock implementations), and escalates to communication channels (i.e., bus systems) used by multiprocessor clusters and networks. A hands-on practice applying course concepts will reinforce and extend students' understanding of the material. Prerequisites: C or above in CPSC 1710 (3).

**2730. Data Structures** – Usually offered spring semester. Builds on the topics discussed in CPSC 1710 and 1720 to introduce students to the fundamental concepts of data structures and the algorithms derived from them. Topics include recursion, the underlying philosophy of object-oriented programming, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), sorting, the basics of algorithmic analysis, and an overview of programming paradigms. Prerequisite: CPSC 1720. **(3)**

**2740. Software Development** – Usually offered fall semester. An implementation-oriented introduction to the software development techniques used to create medium-scale interactive applications. Topics include event-driven programming, computer graphics, human-computer interaction, and graphical user interfaces. Students will be required to complete a number of projects, at least one of which will be a team project. Prerequisite: CPSC 2730. **(3)**

**2800. Multimedia** – This course introduces students to multimedia concepts, methods, and techniques. Topics include a thorough coverage of web-based graphics, text, audio, and video. Students will gain experience in graphic techniques (including image creation and interactivity), advanced web design (animation, controls, and sound); all by using commercial products within a ‘mock’ web design company. Prerequisite: Completion of all developmental mathematics courses. **(3)**

**3040. (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. Prerequisites: MATH 2080 and a working knowledge of some programming language. Corequisite: MATH 2530. **(3)**

**3060. Design and Analysis of Algorithms** – Usually offered spring semester. Design and analysis of computer algorithms in terms of space and time complexity, analysis of several advanced search, sort, tree, and graph algorithms; discussion of algorithmic strategies such as divide-and-conquer, greedy, backtracking, and branch-and-bound; introduction to NP-hard and NP-complete problems. Prerequisites: CPSC 2730 and MATH 2550. **(3)**

**3110, 3111, 3112, 3113. Independent Study in Computer Science** – Individual or group study in an approved area of computer science. Guidance by one or more members of faculty. Prerequisite: Permission of the chairperson. Credit determined by faculty member and chairperson. **(0, 1, 2, 3)**

**3130. Computer Architecture** – This course introduces students to: computer organization, processors, memories, peripherals, study of recent advances in computer architecture, parallelism, hardware, software, and multilevel machines. Prerequisites: CPSC 2110, CPSC 2110L and CPSC 2730. **(3)**

**3140. Operating Systems** – Usually offered fall semester. This course introduces students to the design and implementation of operating systems. 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. Prerequisites: CPSC 2730. **(3)**

**3205. C & UNIX** – Familiarization with C and UNIX. Detailed study of C and UNIX with focus on application programming in C in the UNIX environment. Shell programming, UNIX internals and file system. Extensive programming. Prerequisite: CPSC 2740. **(3)**

**3240. Computer Networks** – This course introduces the student to the structure, implementation, and the theory of networks, as well as their applications. Topics include the study of network protocols, network modes, different layers of ISO-OSI model, network topology, routing algorithms, and different types of Local Area and Wide Area Networks. Prerequisite: CPSC 3140. **(3)**

**3601, 3602, 3603, 3604. Topics in Computer Science** – Selected topics in computer science, offered as required, contents determined by needs of students in various majors at the time course is offered. Prerequisites depend on the topic. **(1, 2, 3, 4)**

**3710. Databases** – Usually offered spring semester. Introduction to database management systems, database architectures; theoretical and applications data definition and query languages; database design and normalization; recovery, security and protection; concurrency; recent advances in databases. Students will be involved in database projects in which at least one is a team project. Prerequisite: CPSC 2740. **(3)**

**3900-3905. Computer Science Summer Internship I & II** – Offered first summer session. Ten to twelve weeks of experience in industry or government-related jobs. Completion of two internship reports. Graded on a Pass/Fail basis. Prerequisite: CS or CIS major, completion of 62 degree credit hours (junior standing) and 2.0 or above g.p.a. **(3-3)**

**3950-3955. Summer Undergraduate Research I & II** – Offered first summer session. Research participation for Computer Science/Computer Information Systems majors. Graded on a Pass/Fail basis. Prerequisite: CS or CIS major, sophomore standing, 2.5 gpa or above and permission of the instructor. **(3-3)**

**4100. Automata Theory and Language Translation** – Usually offered fall semester. Introduction to automata theory and its application to language translation. Topics include: the basic concepts of finite automata, Turing machines and computability; finite state acceptors and regular sets, context-free grammars, and push-down automata. Prerequisites: CPSC 2110, 2740, and MATH 2560. **(3)**

**4301. Computer Graphics** – Introduction to computer graphics concepts, two and three dimensional graphics techniques and some advanced techniques such as shading, animation, and polygon filling are studied. Prerequisites: CPSC 3060 and MATH 2030. **(3)**

**4304. Artificial Intelligence** – Introduction to the fundamental principles of artificial intelligence. Topics include: knowledge representation, first-order predicate calculus, graph representations, state space search, heuristic search, uncertainty management. Survey of selected Artificial Intelligence application areas. Some programming in Lisp, Prolog, or other language. Prerequisites: CPSC 2740, CPSC 3060, MATH 2030, and PHIL 2040. **(3)**

**4405. Parallel Processing** – This course is a general introduction to Parallel Processing and focuses on two levels at which this can be perceived and applied: the hardware/software system level, and the algorithmic and programming level. Topics to be covered include the history of large-scaled computing, the architectural classification, design and algorithms for various machines, and methods for designing programs for parallel machines. Prerequisites: CPSC 3130, CPSC 3140, and CPSC 3060. **(3)**

**4410. Programming Languages** – Structural properties of programming languages, semantics of programming languages. A study of contrasts between procedural and applicative languages. A review of languages from different language paradigms that illustrate the principles of programming language theory. Prerequisites: CPSC 2740 and CPSC 4100. **(3)**

**4420. Compiler Design** – Compiler organization: lexical, syntactic analysis, symbol tables; parsing algorithms; storage allocation; code generation; code optimization. Design and implementation of a compiler. Prerequisites: CPSC 2740 and CPSC 4100. **(3)**

**4800-4805. Capstone Project** – Students are required to complete a significant project that reinforces, through practice, the concepts learned throughout the Computer Science curriculum. Prerequisites: All 3000-level required CPSC courses. **(1-2)**

**4999. Senior Comprehensives** – **(0)**

**4999P. Senior Comprehensives Programming** – **(0)**

## COOPERATIVE EDUCATION (COED)

**2010-2020. Cooperative Education** – Full-time work experience in business, industry or government in an area related to student's academic program. Prerequisites: Student must be at least a sophomore in good standing and have the approval of the student's departmental faculty advisor and the Career Services Office. COED 2010 is prerequisite to 2020. **(3-3)**

**2030-2040. Cooperative Education** – Part-time work experience in business, industry or government in an area related to the student's academic program. Prerequisites: Student must be at least a sophomore in good standing and have the approval of the student's departmental faculty advisor and the Career Services Office. COED 2030 is prerequisite to 2040. **(0-3)**

**3010-3020. Cooperative Education** – Full-time work experience in business, industry or government in an area related to student's academic program. Prerequisites: Student must be in good standing and have the approval of the student's departmental faculty advisor and the Career Services Office, and have six hours of COED credit before enrolling in COED 3010. COED 3010 is prerequisite to 3020. **(0-3)**

## ECONOMICS (ECON)

**1030.\* Introduction to Economics** – Usually offered fall and spring semesters. What economics is all about, the U.S. economy, 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. **(3)**

**2010.\* Principles of Micro Economics** – Usually offered fall and spring semesters. Functioning of market system; supply and demand, theory of the consumer, production and cost theory of the firm; imperfect competition and government regulation. **(3)**

**2020.\* Principles of Macro Economics** – Usually offered fall and spring semesters. 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. **(3)**

\*Students having completed ECON 1030 may not earn credit for ECON 2010 or 2020 without relinquishing ECON 1030 credit.

**2070\*\*-. 2080.\*\*\* Statistics I & II** – 2070 usually offered fall semester; 2080 usually offered spring semester. 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, time series analysis, testing stationarity and non-stationarity of a time series, cointegration. Prerequisite: MATH 1030. **(3-3)**

\*\*Students required to complete ECON 2070 may not earn Departmental credit for other research methods or applied quantitative analysis courses without approval by the Chairperson.

\*\*\*Mathematics Department majors may substitute MATH 1020 as the prerequisite for ECON 2080.

**3010. (FINC 3010) Monetary and Fiscal Policy** – 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, understanding foreign exchange, Balance of payments. Prerequisites: ECON 2010 and ECON 2020. **(3)**

**3080. (FINC 3080) Public Finance** – Organization and administration of revenues and expenditures of all levels of government, provision of public goods, introduction to Public Choice theory. Prerequisites: ECON 2010 and 2020. **(3)**

**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. Prerequisites: ECON 2010 and 2020. (3)

**3110. Intermediate Micro Economics** – Extension of ECON 2010; derivation of demand and supply curves, short and long run equilibrium of the firm in competitive and imperfectly competitive markets, resource market analysis, and welfare economics. Prerequisites: ECON 2010 and 2020. (3)

**3120. Intermediate Macro Economics** – Extension of ECON 2020; income determination; multipliers; theory of consumption; economic fluctuations; employment analysis; national income analysis; investment theory. Prerequisites: ECON 2020. (3)

**3200. (FINC 3200) Managerial Economics**– Use of Microeconomic methods as management decision making tools in order to assure the attainment of a firm's goals and objectives; frequent use of case studies with microeconomic applications. Prerequisites: BSAD 3055 and ECON 2010. (3)

**4050. International Economics** – The causes and effects of international trade, the gains from trade, Comparative Advantage, the Heckscher-Ohlin Theorem the determination of the terms of trade, the determination of income in the open economy, balance of payments, the international monetary system. Prerequisites: ECON 2010 and ECON 2020. (3)

**4070. Government and Business**– Government regulation and the theory of the business enterprise system. Prerequisites: ECON 2010. (3)

**4501, 4502, 4503. Directed Readings in Economics** – Reading in area of economics mutually agreed upon by instructor and student which is not covered in current course. Prerequisite: Permission of chairperson. (1, 2, 3)

## EDUCATION

**(ECSS, Counseling; EDAD, Educational Leadership; EDCG, General Education – Graduate; EDCI, Curriculum and Instruction; EDEL, Elementary; EDSC, Secondary; EDSP, Special Education, EDST, Student Teaching – Graduate; EDUC, General Education; GENG, Graduate English; HLTH, Health; PHED, Physical Education)**

### Education – Counseling (ECSS)

**5610. Foundations and 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. (3)

**5620. Counseling Techniques** – Usually offered spring semester. A study of the methods and techniques used in individual group, couple and systems counseling. (3)

**5640. Assessment in Counseling** – This course provides an understanding of individual, group, and systemic approaches to assessment and evaluation. (3)

**5645. Organization and Administration of School Counseling Programs** – This course prepares counseling candidates to design, develop, manage, and deliver comprehensive counseling services in PK-12 schools. (3)

**5650. Organization and Administration of Community Counseling Programs** – 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 community helper as a change agent, the four-component community counseling model and the management of diverse ideas and concepts. (3)

**5655. Group Work in Counseling**– Usually offered fall semester. The application of theories and practices in group counseling. This course provides for 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. Prerequisite: ECSS 5905. (3)

**5657. School Counseling Practicum** – Usually offered fall and spring semesters. 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 one hour of individual supervision from a university supervisor and attend a weekly group supervision class. Prerequisites: Candidacy, ECSS 6210, and ECSS 5645. (3)

**5658. Community Counseling Practicum**– Usually offered fall and spring semesters. Students gain 100 clock hours of experience, 40 of which are direct client contact, in a supervised community agency setting. Students receive one hour a week of individual supervision from an approved on-site supervisor and one hour of individual supervision from a university supervisor and attend a weekly group supervision class. Prerequisites: Candidacy, ECSS 6210, and ECSS 5645. (3)

**5660. School Consultation** – Usually offered in the summer session. This course will explore the differences between direct and indirect service delivery models of consultation, and development of the knowledge and skills of a problem-solving consultation process. It places emphasis on working with school personnel, families, culturally and linguistically diverse populations as well as regular and at-risk students. (3)

**5665. Counseling Practicum**– Usually offered fall and spring semesters. Organized and directed field based counseling experiences under the supervision of a certified counselor, carried on with selected individuals and groups. (3)

**5687. Lifestyle and Career Development** – Usually offered in the fall semester or summer session. 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. (3)

**5804. Family and Systems Counseling** – Usually offered spring semester. An introduction to the theory and process of family counseling. Evolving viewpoints, perspectives, values, intervention techniques, and goals of family counseling are reviewed. (3)

**5805. Substance Abuse and Addictions Counseling** – Usually offered spring semester. This course focuses on understanding the pharmacological and behavioral effects of drugs and how these effects interact with the counseling process. (3)

**5905. Counseling Theories** – Usually offered fall and spring semesters. This course surveys the major concepts and practices in the contemporary therapeutic systems in relation to the history of counseling. (3)

**5910. Advanced Counseling Techniques** – A clinical course integrating the theoretical approaches with the practice of counseling. Prerequisites: ECSS 5620 and ECSS 5905. (3)

**6100. Ethical Issues in Counseling and Psychotherapy** – Usually offered spring semester. A study of the ethical responsibilities of members in the counseling profession. The course will focus on the ethical rules and policies that govern the professional integrity of counselors. Attention will also be given to the personality, values and strengths of the counselor and the client as these factors relate to decision making in the cultural milieu of the counseling practice. (3)

**6110. Psychopathology and Diagnosis** – Usually offered spring semester. This course presents descriptions, etiologies, and prognoses of psychopathological disorders as presented in the DSM IV-TR (Diagnostic and Statistical Manual). Students learn to make multi-axial diagnoses and explore the role of the counselor in treatment and referral of persons suffering from psychopathology. (3)

**6120. 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. (3)

**6202. Multicultural Counseling** – Usually offered in the summer session. A study of culturally different minority populations in the United States, and the application of counseling techniques and practices when working with diverse clients. **(3)**

**6210. Human Growth and Development** – Usually offered fall semester. 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. **(3)**

**6305. Counseling Internship**– Usually offered fall semester. Course is designed to meet the Licensed Professional Counselor (LPC)/Mental Health Counselor requirement of the LPC State Board of Examiners. Students will be involved in a comprehensive, field-based 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 in a continuous Fall-Spring sequence. Total field/seminar contact hours are 300 clock hours. **(6)**

**6307. School Counseling Internship** – This course is designed to assist students in applying the course content of the Counselor Education Program to the real life setting of clients in community agencies and schools. The major goal is the application of theoretical information to counseling practice under expert supervision. **(3)**

**6308. Community Counseling Internship I** – This course is designed to assist students in applying the course content of the Counselor Education Program to the real life setting of clients in community agencies and schools. The major goal is the application of theoretical information to counseling practice under expert supervision. **(3)**

**6310. Counseling Internship**– Usually offered spring semester. Continuation of ECSS 6305. **(3)**

**6312. School Counseling Internship II** – This course is designed to assist students in applying the course content of the Counselor Education Program to the real life setting of clients in community agencies and schools. The major goal is the application of theoretical information to counseling practice under expert supervision. **(3)**

**6313. Community Counseling Internship II**– This course is designed to assist students in applying the course content of the Counselor Education Program to the real life setting of clients in community agencies and schools. The major goal is the application of theoretical information to counseling practice under expert supervision. **(3)**

**7000. Comprehensive Examination in Counseling** – Usually offered every session. All students must take and pass the national Comprehensive Preparation Counselor Examination (CPCE). **(0)**

**7500. Thesis** – The thesis option provides students an opportunity to develop an area of research interest by investigating current literature and conducting an empirical or qualitative study. Faculty/advisor approval is necessary for the thesis option. **(9)**

### **Educational Leadership (EDAD)**

**5020. Supervision of Instruction and Assessment** – Usually offered every other fall semester. 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. **(3)**

**5020I. Supervision of Instruction and Assessment Internship** – Internship hours will be completed concurrently with course work using the modular format. Ten to fifteen hours of field experiences are required in various leadership areas at the elementary, middle, secondary and central offices. **(1)**

**5030. Collaborative Leadership** – Usually offered every other spring semester. 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. (3)

**5030I. Collaborative Leadership Internship** – Internship hours will be completed concurrently with course work using the modular format. Ten to fifteen hours of field experiences are required in various leadership areas at the elementary, middle, secondary and central offices. (1)

**5040. Organizational Leadership** – Usually offered every other spring semester. This course is to provide the candidates with experiences to develop a working knowledge of organizational dynamics and effective leadership of the educational enterprise that incorporates reflective practice, an instructional interface between conceptual learning and practical application of what's learned to enable the candidate to apply best practices in educational and instructional leadership. (3)

**5040I. Organizational Leadership Internship** – Internship hours will be completed concurrently with course work using the modular format. Ten to fifteen hours of field experiences are required in various leadership areas at the elementary, middle, secondary and central offices. (1)

**5060. Curriculum Progression** – Usually offered every other summer session. 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. (3)

**5060I. Curriculum Progression Internship** – Internship hours will be completed concurrently with course work using the modular format. Ten to fifteen hours of field experiences are required in various leadership areas at the elementary, middle, secondary and central offices. (1)

**5540. Educational Law** – Usually offered every other summer session. 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. (3)

**5540I. Educational Law Internship** – Usually offered every other summer session. Internship hours will be completed concurrently with course work using the modular format. Ten to fifteen hours of field experiences are required in various leadership areas at the elementary, middle, secondary and central offices. (1)

**5555. Visionary Leadership** – Usually offered every other fall semester. 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. (3)

**5555I. Visionary Leadership Internship** – Internship hours will be completed concurrently with course work using the modular format. Ten to fifteen hours of field experiences are required in various leadership areas at the elementary, middle, secondary and central offices. (1)

**5570. Management of School Personnel and Finance** – Usually offered spring semester. 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. (3)

**5570I. Management of School Personnel and Finance Internship** – Internship hours will be completed concurrently with course work using the modular format. Ten to fifteen hours of field experiences are required in various leadership areas at the elementary, middle, secondary and central offices. (1)

**5580. Capstone Seminar for Educational Leaders** – Usually offered every other spring semester. 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. Prerequisites: At least a "B" grade in each of the following courses: EDAD 5020/I, EDAD 5030/I, EDAD 5040/I, EDAD 5060/I, EDAD 5540/I, EDAD 5555/I, EDAD 5570/I, EDAD 5580/I, EDCG 5010, EDCG 5070. **(2)**

**7000. Comprehensive Examination in Educational Leadership** – Usually offered every semester. The successful passing of the Praxis School Leadership Exam. **(0)**

### **General Education – Graduate (EDCG)**

**5010. Research Methodology** – Usually offered fall and spring semesters. 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. **(3)**

**5070. Statistics** – Usually offered every other year. A study of statistical methods and techniques in education and psychology with appropriate application for research and psychological testing. **(3)**

**5083. Special Problems in Research** – Usually offered every year. A directed project supervised by the instructor. May be repeated once for credit. Prerequisite: Consent of Instructor. **(3)**

**5090. Advanced Educational Psychology** – Usually offered fall and spring semesters. A consideration of internal and external factors as facilitators or inhibitors of cognitive development. Applications of major learning theories will be examined. **(3)**

**5350. Advanced Adolescent Psychology** – Usually offered during summer session. This course includes the study of theories of adolescence; the physical, cognitive, affective, moral, and social development of adolescents and their inter-relationships; the implications of the foregoing knowledge for the educator are also discussed. **(3)**

**5500. Instructional Technology** – Usually offered every session. 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. **(3)**

**5600. Advanced Instructional Technology** – Usually offered during summer session. 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. **(3)**

**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. **(3)**

**5800. Special Topics in Education** – Usually offered every other year. Students will be allowed to explore special topics in Education in a seminar format. Prerequisite: Consent of Advisor and Instructor. **(3)**

**6069. Counseling for the Classroom Teacher in the Inner City School** – Usually offered every other year. This course will focus on techniques for assisting students in: developing good study habits and listening skills; adjusting to the school environment; becoming active participants in group dynamics; and participating in group guidance. **(3)**

## Curriculum and Instruction (EDCI)

**5060. Multicultural Education** – Usually offered fall semester. 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. (3)

**5130. Foundations of Reading Instruction** – Usually offered during summer session. A comprehensive overview of the cognitive, linguistic, and affective processes involved in reading; and of methods, strategies, and materials of instruction. (3)

**5140. Teaching Reading in the Content Area** – Usually offered spring semester. 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: EDCI 5130 or consent of instructor. (3)

**5170. Diagnostic/Prescriptive Reading Instruction** – Usually offered spring semester. 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: EDCI 5130. (3)

**5200. Practicum in Reading** – Usually offered spring semester. A course designed to offer the reading specialist a supervised practicum in the diagnosis and remediation of severe reading problems. Prerequisite: EDCI 5130 and EDCI 5170. (3)

**5210. Clinical Practicum in Reading** – Usually offered during summer session. A course designed to offer experiences in advanced and remediation in a clinical setting. There will be a focus on on-going assessment and modification of teaching strategies and conditions in relation to pupil performance and attitudes and the reporting of findings and recommendations to others. Prerequisite: EDCI 5130, EDCI 5170 and EDCI 5200. (3)

**5220E/5220C. Growth and Development of the Child and Adolescent** – Usually offered every other year. Acquaints the graduate student with the individual processes of growth and development. The influence of the environment on the growth and development of the child and adolescent are considered extensively and the areas of drugs, child abuse, stress and AIDS are discussed for an inclusive understanding of the child and his/her unique needs. (3)

**5282. Survey of Assessment** – This course presents an overview of the assessment process in general education, including pre-referral strategies, screening, and assessment. (3)

**5340. Elementary School Curriculum** – Usually offered fall semester. 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. (3)

**5380/5382S. Secondary School Curriculum Trends** – Usually offered fall and spring semesters. 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. (3)

**5440. The Exceptional Child** – Usually offered spring semester. Acquaints the graduate student with the various degrees of exceptionalities found among children from the slow learner to the gifted. (3)

**5810. Special Topics in Literacy Education** – Usually offered every other year. A seminar in contemporary and controversial issues in reading, language arts instruction, writing, and language development. Prerequisite: Consent of Instructor. (3)

**5820. Advanced Seminar in Children's Literature** – Usually offered spring semester. 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. (3)

**5900P. Methods of Teaching Students with Learning and Behavior Problems** – Usually offered during summer session. This course will incorporate the use of assessment as an integral part of teaching students with learning and behavior problems. The various types of assessment, steps of assessment and generic teaching strategies will be employed. (3)

**5910P. Behavioral Approach to Managing the Mild/Moderate** – Usually offered fall semester. 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. (3)

**6040P. Classroom Organization and Management of the Mildly/Moderately Disabled**– Usually offered spring semester. Techniques in handling child, materials, and environment that would assure positive behavior and learning for the mildly/moderately disabled child in the regular classroom. (3)

**6042E. Classroom Organization and Management** – Techniques in handling adolescents, materials, and environment that would assure positive behavior and learning for the elementary classroom setting in the regular classroom. (3)

**6042S. 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. (3)

**6051P. Methods and Materials for the Mildly/Moderately Disabled** – Usually offered spring semester. 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. (3)

**6055P. Vocational and Transition Services** – Usually offered during summer session. 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. (3)

**6060P. Practicum in Special Education** – Usually offered every other year. Practicum work will enable teachers to work effectively with the mildly/moderately disabled child in the regular classroom in classroom settings. Written evaluation by instructors as well as conferences with teachers, parents, and students will be required. (3)

**6300P. Practicum in Tests and Measurements**– Usually offered fall semester. This course is designed to familiarize the student with appraisal regulations contained in Bulletin 1508, Louisiana's Standards for State Certification of School Personnel. Selection, administration, scoring, and diagnosis of formal tests will be conducted. Selection, construction and administration, of informal devices will be part of the required field experiences. Students will demonstrate the ability to write and present a case history. (3)

**7000. Comprehensive Examination in Curriculum and Instruction** – Usually offered every session. (0)

**7500. Thesis Writing** – Offered as needed. Completion of a research 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. (6)

### **English – Graduate (GENG)**

**5150. Advanced Writing**– Usually offered each semester. Comprises critical, scholarly, and expository writing. (3)

**5160. Writing Across the Curriculum** (3)

## Elementary Education (EDEL)

**2061. Foundations of Curriculum**– At the completion of this course, the student will be able to select and organize the components required within the elementary educational curriculum, to develop and utilize methods, materials, and media in the classroom. The student will be able to survey, understand, and evaluate instructional techniques and procedures that aid in effective teaching and teacher/subject competency. Fifteen hours of field experiences are required. (3)

**2400. Nutrition (BIOL 2400)**– At the completion of this course, the student will have a basic knowledge of techniques and materials for teaching nutrition. Students will become knowledgeable consumers of nutrients and nutrition information. Course content includes: nutrition as a foundation for health; the importance of food in the human body; the nature and composition of food; release and utilization of nutrients; planning the daily diet and the process of digestion and absorption. (3)

**3020. Methods of Teaching Elementary School** – At the end of this course, the student will be able to effectively plan and implement lessons for the elementary classroom. Emphasis will be given to the contents of language arts, social studies, mathematics, and science. The student will learn how to implement the prevailing trends in pedagogy while studying the national standards and local frameworks. A minimum of twenty (20) field experience hours are required. (3)

**3050A - 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. . Ten hours of field experiences are included. (3-3)

**3071. Curriculum Applications I** – At the completion of this course, the student will be able to use instructional methods, materials, and media specific to the elementary education pre-service teacher. Course focus will include the integrated language arts and effective ways of teaching social studies. Ten hours of field experiences are required. (3)

**3081. Curriculum Applications II**– At the completion of this course, the student will be able to use instructional methods, materials, and media specific to the elementary education pre-service teacher. Course focus will include effective strategies for teaching of mathematics and science. Ten hours of field experiences are required. (3)

## Secondary Education (EDSC)

**3020A - 3020B. Music in the Junior-Senior High School** – 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 as well as to evaluate the music curriculum at the secondary level. (3-2)

**3021, 3022, 3023. Special Methods** – At the completion of this course, the student will be able to plan, evaluate, and use instructional strategies suited to the academic disciplines studied. (1, 2, 3)

**3023B. Methods of Teaching Biology** – This course is designed to prepare preservice high school biology teachers to use instructional methods, materials, and laboratory equipment common to the biological sciences. Course focus will include the methods of setting up a biology laboratory, laboratory safety, laboratory methods, equipment, and effective ways of teaching biology. (3)

**3023C. Methods of Teaching Chemistry** – This course is designed to prepare preservice high school chemistry teachers to use instructional methods, materials, and laboratory equipment common to the biological sciences. Course focus will include the methods of setting up a chemistry laboratory, laboratory safety, laboratory methods, equipment, and effective ways of teaching chemistry. (3)

**3023M. Methods of Teaching Mathematics** – This course is designed to prepare secondary mathematics teachers to become competent professionals who can guide and facilitate classroom interactions to meet the learning needs of diverse populations of students. **(3)**

**3023S. Methods of Teaching History and Social Studies** – This course provides an overview of the methods and materials currently used in secondary social studies education. A focus will be placed on developing skills that will aid in designing instruction that effectively impacts the learning of all students and integrating technology in the teaching and learning process. All course assignments and objectives will relate to meeting the needs of diverse learners. Planning for the school year, course of study, designing units and lesson plans, and effective instruction are addressed. **(3)**

**4150. Teaching Reading in the Content Areas** – At the completion of this course, the student will be able to implement an effective secondary school reading program. Writing, study skills and reasoning are emphasized through subject area material. Ten hours of field experiences are required. **(3)**

**4061T. Student Teaching (Middle School and Secondary Education Majors) (9)** – This course includes:

- (a) Observation and participation in classroom;
- (b) Full-time participation in instructional activities and other teaching assignments;
- (c) Readings and experiences in classroom management and teaching techniques;
- (d) Readings and experiences in school administration as it relates to classroom teaching;

### **Student Teaching – Graduate (EDST)**

**5372. Internship in Student Teaching** – Usually offered each semester. A program designed to give practical supervised experience in teaching in a school setting. **(3)**

### **Education (EDUC) (General Education)**

**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. **(0)**

**1050. Introduction to Schools, Culture & Society/Practicum** – This course introduces students to teaching as a profession. It provides a broad interdisciplinary examination of the school-society relationship in America and of the many issues, particularly cultural, embedded in this relationship. Additionally, this course will help prepare the student to understand and critically evaluate the institutional goals, policies, and practices that surround and shape classroom practice. Field experience hours are required. **(3)**

**1070. Historical and Philosophical Foundations of Education** – At the completion of this course, the student will be able to identify and describe the major positions in philosophy and significant historical developments in education and relate these to current viewpoints and contemporary practices. **(3)**

**1100. Instructional Technology** – Usually offered fall semester. The course outline will begin with where the students are in educational technological expertise. Through an individualized approach, all students will learn word processing, databases, 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. **(3)**

**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)**

**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)**

**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)**

**2020. Exploring Science in PK-12**– This course is a joint effort between faculty in the Division of Education and the Departments of Physics, Chemistry, and Biology. It is designed both for those students who are exploring science teaching careers as well as those pursuing science careers. Field experiences will be an integral part of this course and will provide students opportunities to observe science teaching as well as plan inquiry based lessons. **(3)**

**2025. (PSYC 3020) Child 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: PSYC 1010. **(3)**

**2030. Children's Literature** – At the completion of this course, the student will be able to select materials based on the interests of children of varying ages and background. The students will develop these skills using simulation, micro-teaching, and practicum. **(3)**

**2044. (EDSP 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. Twenty hours of field experience required. **(3)**

**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)**

**3030. Philosophy of Education** – This course is designed to prepare the student to develop his/her own philosophy of education through the study of current philosophies, methods of philosophical analysis, and evaluation of movements in education. **(3)**

**3040. (PSYC 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. **(3)**

**3060A. (EDEC 3060A) Strategies and Techniques in Elementary School Mathematics** – 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. Field experiences are an integral part of this course. **(3)**

**3060B. (EDEC 3060B) Strategies and Techniques in Elementary School Mathematics** – This course is a continuation of 3060A and concentrates on using technology in teaching mathematics in the elementary classroom. Field experiences are an integral part of this course. **(3)**

**3200. Middle School Teaching Strategies** – 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. Field experiences are an integral part of this course. **(3)**

**4001, 4002, 4003. Directed Project in Education** – Register only with permission of chairperson. **(1, 2, 3)**

**4011, 4012, 4013. Directed Readings in Education** – Register only with permission of chairperson. **(1, 2, 3)**

**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. **(3)**

**4060S. Student Teaching Seminar (0) (All Education Majors)**– 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

**4065. Student Teaching (All Education Majors) (12)** or  
**4060A. Student Teaching (Elem. and Early Childhood Education Majors) (9)** – This course includes:

- (a) Observation and participation in classroom;
- (b) Full-time participation in instructional activities and other teaching assignments;
- (c) Readings and experiences in classroom management and teaching techniques;
- (d) Readings and experiences in school administration as it relates to classroom teaching.

**4090. (PSYC 4090) Adolescent Psychology** – At the completion of this the student will identify and describe characteristics and attendant problems of adolescent growth and development and to utilize relevant techniques in teaching and guidance based on modern research. **(3)**

**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 laboratory setting are provided. Ten hours of field experiences required. **(3)**

**4120. Principles of Guidance** – This course prepares the student to apply individual and group guidance techniques and activities based on student needs which can be administered through student services.. Prerequisite: Senior standing. **(3)**

**4200. 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. **(3)**

**4999. Senior Comprehensives**– Required senior comprehensive for education majors. Majors who have successfully passed all required sections of the N.T.E. including the specialty area for certification before their last semester are exempt from the comprehensive. **(0)**

**5060A. Student Teaching** – Usually offered each semester. A program designed to give practical supervised experience in teaching in a school setting. **(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. **(1)**

**2130. Personal and Environmental Health**– At the completion of this course, students will have gained an understanding of the various aspects of implementation of procedures, policies, accident prevention techniques, and remedial action necessary for living a healthy, long life. **(3)**

**2200. Comprehensive Health** – At the completion of this course students will have been provided with knowledge of current health trends and issues on a vast number of contemporary health topics. **(3)**

**2281. General Safety Education** – At the completion of this course, students will have an understanding of the basic principles of safety education in all areas of safety as well as development of safety skills, habits, and attitudes to prevent accidents. **(3)**

**3090. School Health Program**– At the completion of this course, students will understand the history, scope, needs and basic principles underlying the study of health and health education. **(3)**

**3210. Basic Health Science** – At the completion of this course, students will understand the fundamental principles and importance of personal hygiene and good health habits. They will also become more aware of contemporary health issues. (3)

**3220. General Health and Safety Education**– At the completion of this course, students will understand the theory, teaching procedures, and supervisory techniques connected with school and community health and safety. (2)

### **Physical Education (PHED)**

#### **Physical Education (PHED) Academic Courses**

**2011. Elementary School Physical Education Practicum** – At the completion of this course, students will have learned how to make practical applications of the theories of physical education through actual teaching experiences in the elementary schools. Prerequisite: PHED 2015. (1)

**2015. Elementary School Physical Education** – At the completion of this course, students will have been provided with knowledge of general procedures needed to develop competencies for class organization and methods of teaching physical education in grades K-8. Physical education majors and minors must complete an on-site Practicum at an assigned elementary school. (3)

**2120. Adaptive Physical Education**– At the completion of this course, students will have acquired knowledge of the basic concepts of organization and conducting physical education programs for the mentally, physically, emotionally and/or socially disabled child. (3)

**2130. Anatomy and Physiology**– At the completion of this course, students will understand the normal functioning of the human body, the interrelationship of organs and organ systems, and their relationship to the function of the human body. Prerequisite: BIOL 1030/1030L and 1040/1040L (3)

**3030. Physiology of Exercise**– At the completion of this course, students will recognize the basic physiological concepts of the body, and the relationships of activity and fitness to health. Prerequisite: PHED 2130. (3)

**3190. Methods and Materials of Health and Physical Education and Safety** – At the completion of this course, students will have an understanding of the appropriate methods, selection, development, and use of materials for teaching K-12 grades physical education, health and safety. (3)

**3200. Sports in American Society** – At the completion of this course, students will have acquired an understanding of the historical developments, trends, laws, philosophical views and societal issues of physical education and sports in America. (3)

**3240. Kinesiology** – At the completion of this course, students will have an understanding of the human mechanism necessary for movement, together with the ability to analyze and evaluate motor skills. Prerequisite: PHED 3030. (3)

**4240. Care and Prevention of Athletic Injuries** – At the completion of this course, students will have an understanding of the preventive measures, and prompt, adequate treatment of sports injuries. (3)

**4310. History and Principles of Physical Education** – At the completion of this course, students will understand the nature and scope of physical education, including philosophy, history and profession principles. (3)

**4320. Driver Education and Traffic Safety**– This course is designed to assist prospective teachers in analysis of the driving task, understanding theory and gaining "behind-the-wheel" teaching experience. (3)

**4340S. Seminar in Health and Physical Education**– At the completion of this course, students will have a comprehensive view of teaching physical education, including an understanding of the professional requirements, current literature, and budget planning. (3)

**4350. Tests and Measurements in Health and Physical Education**– At the completion of this course, students will have a basic understanding of statistical methods. The student will have laboratory test experiences in physical fitness and motor ability skills. **(3)**

**4360. Organization and Administration of Health, Physical Education, and Safety Education** – At the completion of this course, students will have an understanding of the administration of a physical education program, including program planning, evaluation of students, as well as public and professional relations. **(3)**

**4390. Curriculum Innovation in Safety and Instructional Devices**– At the completion of this course, students will know how to organize and administer a driver education program. Students will become proficient in the use of simulators, behind the wheel instruction, and other techniques used in driver education. Prerequisites: HLTH 2281 and PHED 4320. **(4)**

**4999. Senior Comprehensives**– A comprehensive exam for physical education majors designed to test students' knowledge of the major. Majors passing all required sections of the National Teachers Exam including the specialty areas for certification before the semester in which they would take the comprehensive exam, are exempt from this exam.**(0)**

### **Physical Education (PHED)**

#### **\*Test-Out Courses**

\*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.**

**0990B. Physical Education Requirement Basketball**– Usually offered fall and spring semesters. New freshman and new transfer students' skills test in basketball. **(0)**

**0990V. Physical Education Requirement Volleyball**– Usually offered fall and spring semesters. New freshman and new transfer students' skills test in volleyball. **(0)**

**0990T. Physical Education Requirement Tennis**– Usually offered fall and spring semesters. New freshman and new transfer students' skills test in tennis. **(0)**

**0990M. Physical Education Requirement Stunt/Tumbling** – New freshman and new transfer students' skills test in stunts/tumbling. **(0)**

**0990G. Physical Education Requirement Gymnastics** – Usually offered fall and spring semesters. New freshman and new transfer students' skills test in gymnastics. **(0)**

**0990S. Physical Education Requirement Swimming** – Usually offered fall and spring semesters. New freshman and new transfer students' skills test in swimming. **(0)**

**0990F. Physical Education Requirement Folk Dancing** – Usually offered fall and spring semesters. New freshman and new transfer students' skills test in folk dance. **(0)**

### **Activity Courses**

**1010. Introduction to Team Games** – At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in soccer and basketball. **(1)**

**1020. Introduction to Team Games** – At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in volleyball and softball. **(1)**

**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. **(2)**

**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. **(1)**

**1050. Beginning Tennis**– At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in tennis. **(1)**

**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. **(1)**

**1200. Step Aerobics** – Development of cardiovascular conditioning through aerobic exercise and dance routines. **(1)**

**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. **(1)**

**2020. Golf** – At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in golf. **(1)**

**2040. Stunts and Tumbling**– At the completion of this course, students will be able to display knowledge, competency and skill proficiency in executing fundamental stunts and tumbling. **(1)**

**2050. Gymnastics** – At the completion of this course, students will be able to display knowledge, competency and proficiency in executing fundamental apparatus and mat skills. **(1)**

**2080. Modern Dance**– At the completion of this course, students will be able to display knowledge, competency and proficiency in executing fundamental modern dance movements. **(2)**

**2090. Advanced Modern Dance** – At the completion of this course, students will be able to display knowledge, competency and proficiency in advanced modern dance movements. Prerequisite: PHED 2080. **(2)**

**2140. Fundamentals of Swimming** – At the completion of this course, students will be able to display knowledge, competency and proficiency in fundamental swimming skills. **(1)**

**2145. Intermediate Swimming** – At the completion of this course, students will be able to display knowledge, competency and proficiency in the basic swimming strokes. Prerequisite: PHED 2140 or permission of instructor. **(1)**

**2150. Advanced Swimming**– At the completion of this course, students will be able to display knowledge, competency and proficiency in the advanced strokes and lifesaving techniques. Prerequisite: PHED 2145. **(1)**

**2160. Archery and Badminton** – At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in archery and badminton. **(2)**

**2400. Beginning Karate** – At the completion of this course, students will be able to display knowledge, competency and fundamental skill proficiency in karate. **(3)**

**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: PHED 2400. **(3)**

**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: PHED 2400 and PHED 2410. **(3)**

**3070. Major Team 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 major team sports. **(2)**

**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. **(2)**

**3120. Advanced Tennis**– At the completion of this course, students will be able to display knowledge, competency and proficiency in advanced tennis skills. PHED 1050 or passing score in PHED 0990TE. (2)

**4260. Coaching and Officiating Major Team Sports** – At the completion of this course, students will be able to display knowledge and competencies in officiating mechanics and techniques for coaching team and individual sports. (3)

## ENGLISH (ENGL)

Prerequisites for English courses:

Completion of a 1000-level sequence for the 2000-level  
Completion of a 2000-level course for the 3000-level  
Completion of a 2000-level course and one 3000-level course for the 4000-level

All English courses enhance students' skills in writing and critical thinking. In addition, these courses will specifically reinforce the Core Curriculum's objectives of introducing students to the common elements of the human heritage and assisting students to develop a system of values.

**0990. Preparatory English** – Usually offered fall and spring semesters. Introduces students to the revision process, expository writing, and research. Includes individual tutorial in the Writing Center. (3 hours non-degree credit)

**1000. Intensive English Composition and Rhetoric** – Usually offered fall and spring semesters. An intensive course in expository writing to enable students to write in different genres and in various media for multiple audiences and purposes including research. Four class meetings a week. Includes individual tutorial in the Writing Center. (3)

**1010. English Composition and Rhetoric** – Usually offered fall and spring semesters. A course in expository writing to enable students to write in different genres and in various media for multiple audiences and purposes including research. (3)

**1020. English Composition and Literature**– Usually offered fall and spring semesters. This course uses different genres of writing to respond to fiction, poetry, and drama with emphasis on the longer paper. Prerequisite: ENGL 1010. (3)

**1023H. Introduction to Literature for Honors Students** – Usually offered fall semester. A study of writing and literary genre (the novel, short story, poetry, and drama) for selected students. (3)

**2010. Introduction to World Literature I** – Usually offered every semester. A critical examination of masterpieces of literature from Ancient Mesopotamia through the Renaissance, including at least one non-Western work. Prerequisite: ENGL 1020. (3)

**2011H. Introduction to World Literature** – Usually offered spring semester. A critical examination of masterpieces of literature from Ancient Mesopotamia through the Renaissance, including at least one non-Western work, for selected students. Prerequisite: ENGL 1023H (or see discussion of AP credit under Honors in English). (3)

THE FRESHMAN ENGLISH SEQUENCE (ENGL 1000/1010-1020 OR 1023H-2011H IS A PREREQUISITE FOR ALL COURSES NUMBERED 2020 OR ABOVE.
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**2020. Introduction to World Literature II**– Usually offered every semester. A critical examination of masterpieces of Western and non-Western literature from the eighteenth century through the post-modern period. (3)

**2070. Survey of British Literature I** – Usually offered fall semester. A study of English literature from the Middle Ages through the Restoration and the Eighteenth Century. (3)

**2080. Survey of British Literature II** – Usually offered spring semester. A study of English literature from 1800 to the present. (3).

**2141, 2143. (WRIT 2141, WRIT 2143) Journal Practicum** – Usually offered fall and spring semesters. Students gain hands-on experience in publishing. No prerequisite. Permission of the instructor required for 3 hours. Course may be repeated for credit. **(1,3)**

**2200. Modern English Grammars** – 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)**

**3001, 3002, 3003, 3004. Special Topics** – Some topics considered for this course include Law and Literature, African American Literature, and Post-Colonial Novel. **(1, 2, 3,4)**

**3010. Medieval Literature** – A study of the literary developments in English poetry from the Anglo-Saxon period to the Renaissance. **(3)**

**3021. Renaissance Literature** – A study of Renaissance prose, poetry and drama (excluding Shakespeare). Also includes Milton. **(3)**

**3040. Shakespeare** – Usually offered fall semester. An examination of the comedies and the histories. **(3)**

**3050. Shakespeare** – Usually offered spring semester. An examination of the tragedies. **(3)**

**3070. Restoration and Eighteenth Century Literature** – A study of the major imaginative literature from 1660 to 1800. **(3)**

**3125. Twentieth Century Women Writers** – A study of literature and feminist theory by women writers from approximately 1900 to the present. **(3)**

**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. **(3)**

**3150. Advanced Writing** – Practice in critical, scholarly, and expository writing, with emphasis on writing within the discipline of English. **(3)**

**3160. Survey of American Literature I** – Usually offered fall semester. A study of the literature and backgrounds of American literature from the colonial time through the Civil War. **(3)**

**3170. Survey of American Literature II** – Usually offered spring semester. A study of the literature and backgrounds of American literature from the Civil War to the present. Prerequisite: ENGL 3160. **(3)**

**3175. (AFAM 3375) Survey of African Literature** – Introduction to African folklore, poetry, fiction, and drama. **(3)**

**3185. Special Topics in African American Literature** – Genres studied in this course include drama, poetry, and fiction. Major topics (such as Harlem Renaissance, the Slave Narrative, and Toni Morrison) to be announced. This course may be repeated for credit as often as a different topic is available. **(3)**

**3210. Romantic Literature** – A study of Romantic poetry and prose, 1800-1832. **(3)**

**3221. Victorian and Early Twentieth Century Literature** – A study of Victorian prose, poetry, and novels. **(3)**

**3233. Teaching Composition and Literature** – Study of theories and practice of teaching composition and literature at the secondary and upper elementary levels. Also attention to the necessity and uses of Standard American English, to the integrity of Black English, and to learning styles distinctive of some African Americans. Students will teach in the class, demonstrating language arts lessons of their own design, and evaluate representative samples of younger students' writing. (3)

**3270. British Literature from World War I** – A study of post-war English poetry, prose, novels, and drama. (3)

**3275. The Post-Colonial Novel** – Usually offered once a year, usually in the spring. Introduces Post-Colonial theory and novels from 1960 to the present, representing such areas as the Caribbean, Latin America, Africa, the Middle East, India, Asia, and Oceania. (3)

**3280. 18th and 19th Century Survey of African American Writers** – A study of major texts from the earliest to DuBois in their historical, cultural and literary contexts. (3)

**3290. (AFAM 3290) 20th Century Survey of African American Writers** – A study of major African American texts of the twentieth century, from the Harlem Renaissance to the contemporary. (3)

**3310. Rhetoric, Composition, and the Teaching of Writing** – This course 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. Students will be introduced to the history of rhetoric, theories of composition, and current models for teaching writing. Concerns such as Grammar and Writing, Reading and Writing, Dialect and Writing, and ESL and Writing will also be discussed. Students will be required to practice much of the writing theory they are introduced to through journaling, group and individual writing assignments, and assignments for their course portfolios. Students will also create mini-lessons to be practiced in class. Students are also required to perform 15 hours of observations (combined with some instruction opportunities) in middle and/or secondary schools. (3)

**3320. Critical Approaches to Teaching Literature** – Focusing on the pedagogy of literature in an integrated curriculum, this course will investigate the reading process and different reading models. It will examine different approaches to reading verbal and non-verbal texts and to teaching adult and young adult literature within the context of contemporary literary theory. Students will be required to perform 15 hours of observations (combined with some instruction opportunities) in middle and/or secondary schools. (3)

**3400. Literary Criticism and Theory** – A study of interpretive strategies and theoretical assumptions of various approaches to literary criticism. (3)

**4000H. Directed Studies** – Concentrated study of major figures and ideas in a selected period. Open to selected students only. (3)

**4010S. British Literature Seminar** – Intensive study of major figures and ideas in a selected period of English Literature. Recent topics included Romantic and Victorian literature. (3)

**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. (3)

**4030S. Poetry Seminar** – An intensive study in American, British, or world literature. Recent topics have included the Women Poets and Modern Poetry. (3)

**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. (3)

**4050S. Comparative Literature Seminar** – A critical study of the forms and themes of the major foreign literature in translation. Topics have included The Image of Woman in Nineteenth Century Literature and Reading and Writing the Other (Third and First World Literatures juxtaposed). (3)

**4060S. African American Literature Seminar** – Intensive study of major figures, periods, and ideas in African American literature. (3)

**4999. Senior Comprehensives** – (0)

## **ENGLISH – GRADUATE (GENG)**

**5150. Advanced Writing**– Usually offered each semester. Comprises critical, scholarly, and expository writing. (3)

**5160. Writing Across the Curriculum** (3)

## **ENGINEERING (ENGR)**

**1061. (PHYS 1061) Modern Engineering Graphics** – Usually offered every semester. An introduction to the basic techniques and concepts of engineering drawing including plane and descriptive geometry orthographic, isometric, sectional views auxiliary views, and dimensional representations, and generating 2D and 3D computer designs. One hour of lecture and four hours of drawing and computer laboratory per week. (3)

**2020. (PHYS 3020) Mechanics-Dynamics**– 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. Prerequisites: PHYS 2121 and MATH 2080. (3)

**2120. (PHYS 3120) Network Analysis I** – 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. Prerequisites: PHYS 2121 and 2630 and MATH 2030 and 2080. (3)

**2210. (PHYS 3210) Mechanics-Statics** – Usually offered fall 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. Prerequisites: PHYS 2121 and MATH 2080. (3)

**2630. (PHYS 2630) Analytical Methods for Physics and Engineering** – 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. Prerequisites: PHYS 2121 and MATH 2080. Corequisite: MATH 2530. (3)

**3010. (PHYS 3010) Electricity and Magnetism** – 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. Prerequisites: PHYS 2121, PHYS 2630, MATH 2030, and MATH 2080. (3)

**3030. (PHYS 3030) Optics** – Usually offered fall semester. Study of theories of geometrical and physical optics, including reflection, refraction, interference, diffraction, polarization, double-refraction, and lasers. Prerequisites: PHYS 2121 or 2020 and MATH 2070. (3)

**3040. (PHYS 3040) Thermodynamics** – Usually offered spring semester. Study of heat and temperature, the thermodynamics laws, work, ideal gases, engines, refrigeration, reversibility, entropy, phase transitions. Prerequisites: PHYS 2121, or PHYS 2020 and MATH 2030. (3)

## ENTREPRENEURSHIP (ENTR)

**1020. Introduction to Entrepreneurship/Intrapreneurship** - Exposes students to the knowledge and skills required to be a successful entrepreneur/intrapreneur. Topics include: challenges of entrepreneurship/intrapreneurship, marketing and financial concerns, and management issues. Students will have the opportunity to interact with local entrepreneurs and to complete a business plan. (3)

**1030. (ACCT 1030) Survey of Accounting** – Familiarize students with the use of accounting data as a decision making tool. Accounting statements and ratios pertaining to analyses of situations which students will encounter in business will be used. This course is open to students working on a minor in Business Administration, Sales and Marketing or Entrepreneurship. (3)

**2050. (SMKT 2050) Principles of Marketing** – Usually offered fall and spring semesters. Basic course. 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. (3)

**2060. (MGT 2060) Principles of Management** – Usually offered fall and spring semesters. 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. Prerequisite: ENGL 1020. (3)

**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. (3)

**3780. (MGT 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 working with a local area entrepreneurial client will develop a comprehensive consulting report including a full business plan. Prerequisites: Open to juniors and seniors only or permission of the instructor.

## FINANCE (FINC)

**1070.\* Personal Finance** – Usually offered fall and spring semesters. 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. (3)

\*May not be used as a Finance concentration elective.

**3010. (ECON 3010) Monetary and Fiscal Policy** - 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, understanding foreign exchange, Balance of payments. Prerequisites: ECON 2010 and ECON 2020. (3)

**3050. Corporate Finance** – Usually offered fall and spring semesters. 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. Prerequisites: ECON 2010 or ECON 2020; ACCT 1020. (3)

**3060. International Financial Management** – Usually offered fall semester. 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: FINC 3050. (3)

**3070. Financial Institution Operations and Management** – Usually offered fall semester. 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: FINC 3050. **(3)**

**3080. (ECON 3080) Public Finance** - Organization and administration of revenues and expenditures of all levels of government, provision of public goods, introduction to Public Choice theory. Prerequisites: ECON 2010 and 2020. **(3)**

**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. **(3)**

**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: FINC 3050. **(3)**

**3160. Advanced Financial Management**– Usually offered spring semester. 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: FINC 3050. **(3)**

**3170. Investments** – Usually offered spring semester. 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: FINC 3050. **(3)**

**3180. Derivatives and Risk Management** – Focuses on the valuation, uses and regulation of derivative instruments (forwards, futures, options, swaps, etc) that are used by corporate managers and individuals investors to control financial risk. Prerequisite: FINC 3050. **(3)**

**3200. (ECON 3200) Managerial Economics** –Use of Microeconomic methods as management decision making tools in order to assure the attainment of a firm's goals and objectives; frequent use of case studies with microeconomic applications. Prerequisites: BSAD 3055 and ECON 2010. **(3)**

**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. Prerequisites: FINC 3050 and 3170. **(3)**

**4999. (BSAD 4999) Senior Comprehensives – (0)**

## **FRENCH (FREN)**

**1010-1020. Elementary French** – Usually offered fall and spring semesters. An introductory course for students with little or no previous training in French. Emphasis upon the four skills of comprehension, speaking, reading, and writing. Basic vocabulary and grammatical structures appropriate to the development of intermediate-level communication. Present, past, and future tenses, description, basic competency for simple social and work situations. **(3-3)**

**2010-2020. Intermediate French** – 2010 usually offered fall semester; 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 audio-visuals required. Readings from texts by Francophone writers, especially North African (2<sup>nd</sup> semester.) Prerequisites: FREN 1010-1020 or equivalent as determined by placement exam. **(3-3)**

**3001-3002. 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 chairperson. (3-3)

**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 influence of the classical period, upon the rise of Renaissance literature. The lyric poets; the Pleiade. This course may be expanded to two semesters by continuing as a directed reading. (3)

**3011-3012. 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 2010-2020 or permission of instructor and department chairperson. (3-3)

**3021. Readings in Francophone Culture** – A reading course designed to build advanced-level skills in comprehension of the text. Readings are taken from throughout the Francophone world. Prerequisites: FREN 2010-2020. (3)

**3120. Survey of Seventeenth and Eighteenth Century French Literature** – This course is a survey of works by significant authors of the seventeenth and eighteenth centuries in France, with emphasis upon the theatre in the seventeenth century and the Enlightenment *philosophes* of the eighteenth. Through viewing of films and dramatization in class and from on-line audio sources as well as through more traditional classroom discussions, students will discern the main themes and genres of the best-known works of the two centuries and will situate them in their historical and cultural backgrounds. (3)

**4031-4041, 4032-4042, 4033-4043. 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 chairperson. (1-1, 2-2, 3-3)

**4050. Internship** – Placement in a supervised work or research situation using French. Prerequisite: Permission of department chairperson. (3)

**4051-4052. 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. (3-3)

**4053. (LANG 4053, SPAN 4053) Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature** – 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)

**4080. (LANG 4080, SPAN 4080) Foreign Language Teaching Methodology** – 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)

**4999. Senior Comprehensives** – (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)**

**2010. Physical Geography**– Physical, soil, vegetation and climatic regions are outlined along with the processes that produce them. **(3)**

**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)**

**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)**

## **GERMAN (GERM)**

**1010-1020. Elementary German** – Grammar, basic vocabulary, simple conversation, reading, and writing. **(3-3)**

**2010-2020. Intermediate German** – Review of grammar and further development of language skills. Emphasis on the reading of scientific literature. **(3-3)**

**4031-4041, 4032-4042, 4033-4043. Directed Readings in German** – Readings in an area of German literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisite: Permission of instructor and department chairperson. **(1-1, 2-2, 3-3)**

**4050. Internship** – Placement in a supervised work or research situation using German. Prerequisite: Permission of department chairperson. **(3)**

## **HISTORY (HIST)**

**1030. World Civilizations to 1500**– Usually offered fall and spring semesters. Survey of major civilizations of ancient world. Transition to Middle Ages in Africa, Asia, and Europe. **(3)**

**1031H. World Civilizations to 1500** – Usually offered fall semester. Survey of major civilizations of ancient world. Transition to Middle Ages in Africa, Asia, and Europe. For selected honors students. **(3)**

**1040. World Civilizations Since 1500** – Usually offered fall and spring semesters. 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)**

**1041H. World Civilizations Since 1500** – Usually offered spring semester. 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)**

**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. **(3)**

**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. **(3)**

**2050. Survey Topics in History** – Survey of a topic or historical period of special interest. (3)

**2200. (THEO 2200) Religion and Southern Culture**– Examines the historical interaction between religion and culture in the American South from the colonial period to the present, with particular emphasis upon the African American experience. Prerequisite: One 1000-level Theology course. (3)

**2250. (THEO 2250) Religions of the Ancient Near East** – 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: One 1000-level Theology course. (3)

**2415. Introduction to Historical Research and Writing** – Usually offered in the fall semester. Introduction to methods, techniques and concepts used by historians. Main emphasis on methods of historical research and analysis, problems confronting historians in dealing with evidence, interpretation, and theory in various chronological and geographic settings. Readings, discussion and research paper using primary sources are required. Prerequisites: HIST 1030, 1040, and ENGL 1020. (3)

**3000. Special Topics in History**– Topics selected for special interests of students. (3)

**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 socio-economic and political structure. (3)

**3010. Women in International Contexts**– 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. (3)

**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. Prerequisite: HIST 1040. (3)

**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. Prerequisites: HIST 1030, 1040, successful completion of the computer competency exam and demonstrated typing competency for oral history interns. (3)

**3040. History of Louisiana** – Examines and interprets the Latin 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. (3)

**3050. (AFAM 3050) Gandhi and King: Nonviolent Philosophy of Conflict Resolution** – 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. (3)

**3350. (AFAM 3350) African American History I** – 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. (3)

**3360. (AFAM 3360) African American History II**– 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)

**3370. Civil War and Reconstruction**– Deals with the crises and complexities involved in the Civil War and Reconstruction. Explores background of the war and issues of the post-war era. Also examines consensus and conflict over reunion and reconstruction. (3)

**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: HIST 1040. (3)

**3385. The Civil Rights Movement in the United States** – Examines the major civil rights campaigns that took place throughout the U.S. from 1950 to 1975. 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. (3)

**3390. African American Women's History** – 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. (3)

**3670. History of Africa**– 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. (3)

**3675. The Black Atlantic World**– 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. Prerequisites: History 1030 and HIST 1040. Fulfills the requirement for three hours in Developing World History at the 3000 level for History majors. (3)

**4020S. Seminar in the Developing World**– In-depth study of a particular region, nation, historical period or topic of the Developing World. (3)

**4030S. Seminar in American History**– In-depth study of a particular region, nation, historical period or topic in American History. (3)

**4040S. Seminar in European History**– In-depth study of a particular region, nation, historical period or topic in European History. (3)

**4150. 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: HIST 1030. (3)

**4170. Medieval Europe to 13<sup>th</sup> Century** – Focused study of selected historical themes from late antiquity to the high 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. Prerequisite: HIST 1030. (3)

**4420S. World Wars and Dictatorships in European History Seminar**– Causes and consequences of World War I. The inter-war years. Rise of communist and fascist dictatorships. World War II. Prerequisite: HIST 1040. (3)

**4430S. Revolutions in Modern History**– 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: HIST 1040. (3)

**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. (3)

**4501, 4502, 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 chairperson. (1, 2, 3)

**4999. Senior Comprehensives** – (0)

## **HONORS (HNRS)**

**1023H. Introduction to Literature for Honors Students** – Usually offered fall semester. A study of writing and literary genre (the novel, short story, poetry, and drama) for selected students. (3)

**2011H. Introduction to World Literature** – Usually offered spring semester. A critical examination of masterpieces of literature from Ancient Mesopotamia through the Renaissance, including at least one non-Western work, for selected students. Prerequisite: ENGL 1023H (or see discussion of AP credit under Honors in English). (3)

**4000H. Directed Studies** – Concentrated study of major figures and ideas in a selected period. Open to selected students only. (3)

**1031H. World Civilizations to 1500** – Usually offered fall semester. Survey of major civilizations of ancient world. Transition to Middle Ages in Africa, Asia, and Europe. For selected honors students. (3)

**1041H. World Civilizations Since 1500** – Usually offered spring semester. 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)

**1070H. Introductory Calculus** – Usually offered fall semester. Open to selected students only. Students must complete all work in MATH 1070 concurrently and participate in 10 additional meetings in the semester. Prerequisite: Grade of "A" in MATH 1030 or advanced placement by test score or permission of chairperson. (4)

**2070H. Calculus II** – Usually offered spring semester. Open to selected students only. Students must complete all work in MATH 2070 concurrently and participate in 10 additional meetings in the semester. Prerequisite: Grade of "A" in MATH 1070 or advanced placement by test score or permission of chairperson. (4)

**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)

## **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)

**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)

**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)

**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)

**5040. Black Religion and the Arts** – Black art (African, African American, Afro-Cuban, etc.) that includes music (spirituals, gospels, opera, rap, etc.) drama, dance, literature, paintings, sculpture, etc. is often an expression of Black religions consciousness. This course will explore the use of Black Art in creating and developing liturgical expressions consonant with Black culture. (Area requirement). (3)

**5050. Catechetics** – Particular problems and approaches for catechetics in the Black community. (Core course). (3)

**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)

**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)

**5070. 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)

**5071. 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)

**5080. Black Approaches to Sacraments** – Rituals and symbols in the African and Afro-American traditions and their relationship to the Seven Sacraments. (3)

**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)

**5095. The Mission of the Church** – This course will provide opportunity for a critical study of the meaning of church and church mission 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 as they relate to the Roman Catholic Church in the African American Community. (3)

**5100. African Theology, Black Theology, and Liberation Theology** – Similarities and differences found among these forms of articulation of the Christian mystery. Prerequisite: Consent of Director. (3)

**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)

**5114. 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)

**5120. Liturgy/Black Celebration** – This course provides a survey of the history and principles of "African," "Black Church," and Roman Catholic liturgical celebrations. (3)

**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)

**5220. Major Themes in Black Religious Theology** – 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)

**5224. African Middle Ages**– An historical survey of Africa from the end of the Roman Empire to the arrival of European explorers 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)

**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)

**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)

**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)

**5600. Moral Questions in the Black Community** – Ethical and moral questions of special importance, or which raise special problems for the Black community and the Black Church. (3)

**5620. 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)

**5625. Catholic Education in the Black Community** – The importance of education to the Black community and the role of the Church-related school. (3)

**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)

**5665. 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)

**5669. African American 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)

**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)**

**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)**

**7000. Comprehensive Examination** – **(0)**

### **INTEGRATED PHYSICAL SCIENCE (IPSC)**

**2010. Integrated Physical Science**– Usually offered fall semester. Introduction to the basic concepts and principles of physics, chemistry, and atomic structure. Includes one laboratory session per week. **(4)**

**2020. Earth Science** – Usually offered spring semester. Survey of sciences related to our planet dealing with principles of astronomy, geology, meteorology, and environmental sciences. Includes one laboratory session per week. **(3)**

**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. Prerequisites for Elementary Education majors: IPSC 2010 and IPSC 2020. **(3)**

### **JAPANESE (JAPN)**

**1010-1020. Elementary Japanese** – Grammar, basic vocabulary, simple conversation, reading, and writing. **(3-3)**

**4050. Internship** – Placement in a supervised work or research situation involving Japanese. Permission of department chair. **(3)**

### **LANGUAGE (LANG)**

**4053. (FREN 4053, SPAN 4053) Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature** – 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)**

**4080. (FREN 4080, SPAN 4080) Foreign Language Teaching Methodology** – 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)

**1010-1020. Elementary Latin** – Grammar, basic vocabulary, graded readings. (3-3)

**2010-2020. Intermediate Latin** – Review of grammar and additional reading. Selections from ancient authors. (3-3)

## MANAGEMENT (MGT)

**2060. Principles of Management**– Usually offered fall and spring semesters. 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. Prerequisite: ENGL 1020. (3)

**3090. (SMKT 3090) Customer Relationship Management** – Usually offered spring semester. 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. Prerequisites: SMKT 2050. (3)

**3120. Human Resource Management**– Usually offered fall semester. 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: MGT 2060. (3)

**3140. Organizational Behavior**– Usually offered fall semester. 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: MGT 2060. (3)

**3160. Project Management** – Usually offered spring semester. 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 "real-world" project on which students can gain hands-on experience. Topics covered will include project planning, budgeting, scheduling, monitoring, and controlling. Prerequisites: MGT 2060 and ECON 2070. (3)

**3170. Service Operations Management** – Usually offered spring semester. 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. Prerequisites: MGT 2060 and ECON 2070. (3)

**3190. Operations Management**– Usually offered fall semester. 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: MGT 2060 and BSAD 3055. (3)

**3530. (SMKT 3530) Sales Force Management**– Organization, communications process, group influences, forecasting, recruiting, training, design, motivation, supervision, compensation, control of sales organizations. Prerequisites: SMKT 2050 (3)

**3780. (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 working with a local area entrepreneurial client will develop a comprehensive consulting report including a full business plan. Prerequisites: Open to juniors and seniors only or permission of the instructor. (3)

**4010S. Leadership Seminar** – Usually offered spring semester. 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. Prerequisites: senior standing. **(3)**

## **MASS COMMUNICATION (MSCM)**

**1100. Introduction to Mass Communication** – Usually offered fall and spring semesters. 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)**

**1200. Principles of Visual Media** – Usually offered fall and spring semesters. Students learn how to tell stories through the basic principles of still photography, video and audio production, print design, graphics, and layout. **(3)**

**2007, 3007, 4007. Public Relations Practicum** – Students will gain hands-on public relations experience by working on the departmental newsletter, The Communicator, or other appropriate publication or public relations campaign, such as for a non-profit organization or community group. (Note: Not more than 3 hours of newspaper/broadcast/public relations practicum may be taken.) Prerequisite: MSCM 2222. **(1, 1, 1)**

**2008, 3008, 4008. Newspaper Practicum** – Usually offered fall and spring semesters. Students will gain hands-on journalism experience by completing stories for the **Xavier Herald**. Permission of the instructor is required for enrolling in this course. (Note: Not more than 3 hours of newspaper/broadcast/public relations practicum may be taken.) Prerequisite: MSCM 2222. **(1, 1, 1)**

**2009, 3009, 4009. Broadcast Practicum** – Usually offered fall and spring semesters. 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.) Prerequisite: MSCM 1200. **(1, 1, 1)**

**2030. Principles of Public Relations** – 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)**

**2222. Writing for the Print Media** – Usually offered fall and spring semesters. Basic writing, rewriting, and editing of newspaper stories. Processes and procedures of information gathering including interviewing and investigative techniques. Prerequisite: ENGL 1010 and 1020. **(3)**

**2500. Writing for Radio and Television** – Usually offered fall and spring semesters. Basic script-writing from commercials to news and drama. Prerequisite: ENGL 1010 and 1020. **(3)**

**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. **(3)**

**2580. Appreciation and History of Film** – 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. Meets core curriculum requirement for Fine Arts. **(3)**

**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. **(3)**

**3060. Writing for Public Relations** – 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)

**3101. Media Management**– Usually offered spring semester. Study of the media company (commercial and public broadcasting, newspapers, and magazines) as a business; its management. Includes study of program formats and programming decisions. (3)

**3150. News Editing** – Editorial functions of the print media; copy editing, headline writing, management of photographs, and general editorial decision making. Prerequisite: MSCM 2222. (3)

**3190. Fundamentals of Television Production** – 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)

**3210. TV News Gathering and Reporting**– Usually offered spring semester. Advanced reporting, interviewing, writing, and photography techniques for television news. Prerequisite: MSCM 3190. (3)

**3211. Editorial Practicum**– This course is for students holding editorial positions on the *Xavier Herald*. Students will be responsible for writing, editing and all other aspects of production of the *Herald*. Permission of the instructor is required. (3)

**3250. News Reporting**– Advanced reporting, interviewing, and writing techniques for the print media. Prerequisites: MSCM 2222. (3)

**3400. Desktop Publishing** – Computer layout and design for newspapers, brochures, newsletters and other publications pertaining to print journalism and public relations using QuarkXPress and PhotoShop. Students will work on practical projects, such as the students newspaper, a departmental newsletter and/or a business/organization media kit. Prerequisites: MSCM 1200. (3)

**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. (3)

**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. (3)

**3650. Advanced Topics in Production** – Hands-on experience as part of a professional team. Course aids in the development of practical skills important in print or non-print media. Topic to be determined by instructor. Prerequisites: MSCM 2222 or MSCM 2500 and permission of the instructor. (3)

**3831. History of American Mass Media** – Usually offered fall semester. Survey of cultural history of journalism from pre-colonial times to the present. Special examination of Black journalism history and impact of electronic technologies. (3)

**4000. Feature Writing for Newspapers and Magazines** – Interviewing, reporting, and writing skills for writing newspaper and magazine feature stories. Prerequisite: MSCM 2222. (3)

**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, 3210, and 3190, but MSCM 3210 may be taken concurrently with permission of the instructor. (3)

**4020. TV Program 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, 3210, and 3190, but MSCM 3210 may be taken concurrently with permission of the instructor. (3)

**4060. Public Relations 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, 2030, and 3060. (3)

**4131, 4132, 4133. Independent Study** – Opportunity for in-depth study or research in an area of interest in mass communications. Area of study to be determined by student in consultation with supervising instructor. Prerequisite: Permission of instructor. (1, 2, 3)

**4200. Integrated Communications for Public Relations** – 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)

**4400. Environmental Communications**– Explores contemporary ecological issues and approaches. Stress on in-depth research and reporting on local environmental problems. (3)

**4410. Internship** – Usually offered fall and spring semesters, and summer. Hands-on experience provided to students at a communications facility. Professional training experience furnished in media organization, operation, and team effort. Prerequisites: Junior or senior status with minimum of 18 hours of MSCM courses or permission of instructor. (3)

**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. (3)

**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)

**4999. Senior Comprehensives** – (0)

## MATHEMATICS (MATH)

**0960D. Pre-Algebra Review** – Usually offered fall and spring semesters. Review of single operations on integers, fractions and decimals; exponentials; simple factorizations; linear equations; geometric problems involving area and perimeter of basic figures. This course may be required for those students whose math score on the SAT or ACT or the Xavier Mathematics Placement Test is below the acceptable level. Upon completion, the student must enroll in and MATH 0981D. (Non-Degree Credit) (3)

**0981D. Algebra Review** – Usually offered fall and spring semesters. Review of high school algebra. Operations with algebraic expressions and fractions; factoring; exponentials and radicals; solving equations and inequalities; graphing; basic analytic geometry. This courses may be required for those students whose math score on the SAT or ACT or the Xavier Mathematics Placement Test is below the acceptable level. Also, students placed in MATH 0960D must complete that course before entering this course. (Non-Degree Credit) (4)

**1010. Principles of Modern Mathematics** – Usually offered fall and spring semesters. Survey of mathematics: topics in college algebra, elementary set theory, elementary number theory, geometry, matrices and their basic operations for non-technical majors. Prerequisite: Completion of all developmental mathematics deficiencies. (3)

**1015. College Algebra for Elementary Education Majors** – Usually offered every semester. Algebra of elementary functions and relations to their graphs. Applications and the use of technology are incorporated in this course. Prerequisite: Completion of all developmental mathematics deficiencies. **(3)**

**1020.\* (STAT 2010 - Statistical Methods I) Basic Statistics I** – Usually offered fall and spring semesters. Descriptive statistics, probability and statistical inference. Prerequisite: Completion of all developmental mathematics deficiencies. **(3)**

\*Students may not receive credit for both MATH 2010 ( STAT 1020) and ECON 2070.

**1030. Pre-Calculus** – Usually offered fall and spring semesters. Unified college algebra and trigonometry. Elementary functions and relations with their graphs. Prerequisite: Completion of all developmental mathematics deficiencies. **(4)**

**1030Int/1030IntDr.Intensive Pre-Calculus** – Usually offered fall and spring semesters. Unified college algebra and trigonometry. Elementary functions and relations with their graphs. Math 1030Int covers the same content as Math 1030, but it must be taken concurrently with Math 1030IntDr. Math 1030IntDr is a drill session meeting once a week for two hours. Prerequisites: completion of all developmental math deficiencies, or adequate score on the XMPT. **(4/0)**

**1070. Introductory Calculus** – Usually offered fall and spring semesters. 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: Grade of “C” or better in MATH 1030 or advanced placement by test score or permission of chairperson. **(4)**

**1070H. Introductory Calculus** – Usually offered fall semester. Open to selected students only. Students must complete all work in MATH 1070 concurrently and participate in 10 additional meetings in the semester. Prerequisite: Grade of "A" in MATH 1030 or advanced placement by test score or permission of chairperson. **(4)**

**2015. Geometry for Elementary Education Majors** – Understanding and applying geometric relationships and problem solving in two and three dimensions. Prerequisite: Grade of "C" or better in MATH 1015. **(3)**

**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: Grade of "C" or better in MATH 1015. **(3)**

**2030. Elementary Linear Algebra** – Usually offered fall and spring semesters. Systems of equations, matrices, determinants, vector spaces, eigenvalues, linear mappings, etc. Corequisite: MATH 1070. Prerequisite: Grade of "C" or better in MATH 1030. **(3)**

**2040. (STAT 2020) Statistical Methods II) Basic Statistics II** – Usually offered spring semester. 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: Grade of "C" or better in MATH 1020 (or STAT 2010) or ECON 2070. **(3)**

**2070. Calculus II**– Usually offered fall and spring semesters. 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: Grade of “C” or better in MATH 1070. **(4)**

**2070H. Calculus II**– Usually offered spring semester. Open to selected students only. Students must complete all work in MATH 2070 concurrently and participate in 10 additional meetings in the semester. Prerequisite: Grade of "A" in MATH 1070 or advanced placement by test score or permission of chairperson. **(4)**

**2080. Calculus III** – Usually offered fall and spring semesters. 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: Grade of “C” or better in MATH 2070. **(4)**

**2150L.(STAT 2150L) Statistics Technology Lab** – Usually offered spring semester. Problem-solving in statistics using appropriate statistical software. Prerequisite: Grade of "C" or better in STAT 2010 (MATH 1020) or ECON 2070. **(1)**

**2160L.Mathematics Technology Lab** – Usually offered spring semester. Solution of complex mathematical problems using appropriate computer software. Prerequisite: Grade of "C" or better in MATH 1070 **(1)**

**2530.Differential Equations** – Usually offered fall and spring semesters. Usual methods of solving ordinary differential equations; introduction to the general theory. Prerequisite: Grade of "C" or better in MATH 2070. **(3)**

**2550.Discrete Structures for Computer Science and Mathematics I** – Usually offered fall and spring semesters. Topics in combinatorics and graph theory; permutations and combinations, graphs and trees, recurrence relations, applications of combinatorics to discrete probability. Prerequisite: Grade of "C" or better in PHIL 2040 and MATH 1070. **(3)**

**2560.Discrete Structures for Computer Science and Mathematics II** – Usually offered fall and spring semesters. Foundational topics of mathematical structures with applications in computer science: logical foundations and induction, sets, relations, recurrence relations, functions, introduction to algebraic structures. Prerequisite: Grade of "C" or better in MATH 2550. **(3)**

**3010.(STAT 3010) Biostatistics** – Applications of descriptive and inferential statistics to health science disciplines. Introduction of specialized techniques used in biomedical sciences. Prerequisites: Grade "C" or better in STAT 2020 or MATH 2040 or ECON 2070 or permission of the instructor. **(3)**

**3040.(CPSC 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. Corequisite: MATH 2530. Prerequisites: Grade of "C" or better in MATH 2080 and working knowledge of some programming language **(3)**

**3051.(STAT 3051) Mathematical Probability and Statistics I** – Usually offered fall semester. 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: Grade of "C" or better in MATH 2550 or permission of the instructor. Corequisite: MATH 2080. **(3)**

**3061.(STAT 3061) Mathematical Probability and Statistics II** – Usually offered spring semester. 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: Grade of "C" or better in MATH 3051 (or STAT 3051). **(3)**

**3110.Applied Mathematics** – Usually offered spring semester. Applications of different topics in mathematics with emphasis on modeling techniques. Prerequisites: Grade of "C" or better in MATH 2030 or permission of the instructor. **(3)**

**3750.Complex Variables and Applications** – Usually offered every other spring semester. Theory and application of complex numbers, complex mappings, analytic and holomorphic functions. Prerequisite: MATH 2080 with a grade of "C" or better. **(3)**

**4001.Mathematical Problem Solving I** – Usually offered fall and spring semesters. 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 differential and integral calculus, differential equations, and their applications. Places strong emphasis on critical reasoning, synthesis, and clarity of written expressions. Prerequisite: Grade of "C" or better in each of MATH 2080 and MATH 2530. **(1)**

**4002.Mathematical Problem Solving II** – Usually offered fall and spring semesters. 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: Grade of "C" or better in MATH 2030, MATH 2550 and MATH 2560. **(1)**

**4010. Modern Geometry**– Elementary foundations of geometry from a rigorous point of view, concepts in advanced Euclidean, projective, and non-Euclidean geometry. Prerequisites: Grade of "C" or better in MATH 2070 and MATH 2560 or permission of instructor. **(3)**

**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. Prerequisites: Grade of "C" or better in MATH 2080 and MATH 4010. **(3)**

**4050. Advanced Calculus I**– Usually offered fall semester. Real number system; Sequences -- their limit, Bolzano-Weistrass Theorem; Limits of functions; Continuous functions, uniform continuity. Prerequisites: Grade of "C" or better in MATH 2080 and MATH 2560 or permission of instructor. **(3)**

**4060. Advanced Calculus II** – Usually offered spring semester. Differentiation, Riemann-Stieltjes integration; Sequences of functions -- uniform convergence, Infinite series. Prerequisites: Grade of "C" or better in MATH 4050 or permission of instructor. **(3)**

**4070. Introduction to Topology** – Usually offered every other spring semester. Topology of the line and plane; abstract topological spaces; continuous functions on topological spaces; metric and normed spaces; separation axioms; compactness; product spaces. Prerequisite: MATH 4050 with a grade of "C" or better or permission of the instructor. **(3)**

**4095/4095D. Abstract Algebra/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 4095 has three lectures per week and MATH 4095D meets once per week. Prerequisites: MATH 2560 or permission of the instructor. Corequisite: MATH 4095D. **(3/0)**

**4201, 4202, 4203. Special Topics** – Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisites: Permission of the instructor. **(1, 2, 3)**

**4511-4521. (STAT 4511-4521) Colloquium**– Usually offered fall and spring semesters. 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. Prerequisites: A grade of "C" or better in all MATH or STAT required courses at the 2000-level and junior or senior status. 4511 is prerequisite to 4521. **(1-1)**

**4999. Senior Comprehensives**– **(0)**

## **MILITARY SCIENCE (MLSC)**

### **General Military Courses**

**1011. Leadership and Professional Development**– Introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student. **(2)**

**1021. Introduction to Tactical Leadership** – Usually offered spring semester. Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on and interactive exercises. Cadre role models and the building of stronger relationships among the cadets through common experience and practical interaction are critical aspects of the MSL 102 experience. Prerequisite: MLSC 1011 or permission of department chairperson. **(2)**

**2010. Innovative Team Leadership**– Usually offered fall semester. Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army Leadership Framework. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier’s Creed and Warrior Ethos as they apply in the contemporary operating environment (COE). Prerequisite: MLSC 1021 or permission of the department chairperson. (2)

**2021. Management Techniques**– Usually offered spring semester. Examines the challenges of leading teams in the COE. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. MSL 202 provides a smooth transition into MSL 301. Cadets develop greater self awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Prerequisite: MLSC 2010 or permission of the department chairperson. (2)

### **Professional Officer Courses**

**3010. Adaptive Team Leadership**– Usually offered fall semester. A course through which cadets study, practice, and evaluate adaptive leadership skills as they are presented with scenarios related to squad tactical operations. Specific feedback is given on leadership attributes and actions. Based on such feedback, cadets continue to develop critical thinking and tactical leadership abilities in preparation for ROTC’s Leadership and Development and Assessment Course (LDAC). Prerequisite: MLSC 2021 or permission of the department chairperson. (3)

**3020. Leadership Under Fire** – Usually offered spring semester. Intense situational leadership challenges are offered to build cadet awareness and skills in leading small units. Skills in decision-making, persuading, and motivating team members when “under fire” are evaluated and developed. Aspects of military operations are reviewed in preparation for the ROTC Leadership and Development and Assessment Course (LDAC). Cadets are expected to apply basic principles of the Law of Land Warfare, Army training, and motivation to troop-leading procedures. Emphasis is also placed on conducting military briefings and developing proficiency in Garrison operation orders. Prerequisite: MLSC 3010 or permission of the department chairperson. (3)

**4010. Developing Adaptive Leaders** – Usually offered fall semester. Course develops cadet proficiency in planning, executing, and assessing complex operations, functioning as member of staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel procedures prepare cadets to make the transition to Army officers. Cadets identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train, and develop subordinates. Prerequisite: MLSC 3020 or permission of the department chairperson. (2)

**4020. Professionalism of Leadership**– Usually offered spring semester. Course explores the dynamics of leading in the complex situations of current military operations. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first assignment. Prerequisite: MLSC 4010 or permission of the department chairperson. (2)

## MUSIC (MURE, MUAP, MUEN, MUME, MUSH, MUSM, MUST)

### Private Instruction Applied Music (MUAP)

Students should confer with the Music Department chairman on registration day for assignment to an instructor. In so far as possible, the student's choice of a teacher will be respected. (Courses carry instrument suffix.)

**1834xx-1844xx** Private music instruction.  
**2834xx-2844xx** Two one-hour lessons and a minimum of 20 hours practice per  
**3834xx-3844xx** week. (4-4)  
**4834xx-4844xx**

**1733xx-1743xx** Private music instruction.  
**2733xx-2743xx** One one-hour lesson and a minimum of 15 hours practice per  
**3733xx-3743xx** week. (3-3)  
**4733xx-4743xx**

**1632xx-1642xx** Private music instruction.  
**2632xx-2642xx** One one-hour lesson and a minimum of 10 hours practice per  
**3632xx-3642xx** week. (2-2)  
**4632xx-4642xx**

**1531xx-1541xx** Private music instruction.  
**2531xx-2541xx** One half-hour lesson and a minimum of 6 hours practice per  
**3531xx-3541xx** week. (1-1)  
**4531xx-4541xx**

### Vocal and Instrumental Ensembles (MUEN)

**1010U-1020U, 2010U-2020U, 3010U-3020U, 4010U-4020U. University Chorus** – Open to all members of the University community, except music majors. No audition necessary, but previous choral experience required. (2 each for non-music majors only)

**1310U-1320U, 2310U-2320U, 3310U-3320U, 4310U-4320U. University Chorus** – Open to all members of the University community. No audition necessary, but previous choral experience required. (1 each)

**1030C-1040C, 2030C-2040C, 3030C-3040C, 4030C-4040C. Concert Choir** – Membership limited by audition. Not open to music majors. (2 each for non-music majors only)

**1330C-1340C, 2330C-2340C, 3330C-3340C, 4330C-4340C. Concert Choir** – Membership limited by audition. (1 each)

**1010S-1020S, 2010S-2020S, 3010S-3020S, 4010S-4020S. Symphonic Band** – Open to all students of the University community, except music majors. (2 each for non-music majors only)

**1910S-1920S, 2910S-2920S, 3910S-3920S, 4910S-4920S. Symphonic Band** – Open to all students of the University community. (1 each)

**1051J-1061J, 2051J-2061J, 3051J-3061J, 4051J-4061J. Jazz Laboratory Band**– Study and performance of modern jazz literature. Not open to music majors. (2 each for non-music majors only)

**1951J-1961J, 2951J-2961J, 3951J-3961J, 4951J-4961J. Jazz Laboratory Band**– Study and performance of modern jazz literature. (1 each)

**1351O, 1352O, 1353O - 1361O, 1362O, 1363O;**  
**2351O, 2352O, 2353O - 2361O, 2362O, 2363O;**  
**3351O, 3352O, 3353O - 3361O, 3362O, 3363O;**  
**4351O, 4352O, 4353O - 4361O, 4362O, 4363O. Opera Workshop**– Staged productions of operas and operatic scenes. (1, 2, 3 - 1, 2, 3)

**1370C-1380C, 2370C-2380C, 3370C-3380C, 4370C-4380C. Contemporary Group –**  
Study and performance of a variety of contemporary musical styles. **(1 each)**

**1331xx, 1332xx, 1333xx - 1341xx, 1342xx, 1343xx;  
2331xx, 2332xx, 2333xx - 2341xx, 2342xx, 2343xx;  
3331xx, 3332xx, 3333xx - 3341xx, 3342xx, 3343xx;  
4331xx, 4332xx, 4333xx - 4341xx, 4342xx, 4343xx. Chamber Ensemble –** Study and  
performance of chamber music in various instrumental combinations. (Courses carry instrument  
suffix.) **(1, 2, 3 - 1, 2, 3)**

### **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.  
**(3)**

**3021A-3022B. Music in the Junior-Senior High School –** Same course description as  
EDUC 3020A-B.

**4061T/4061S. Student Teaching in Music/Seminar in Student Teaching in Music** See  
EDSC 4061/4061S. **(9/0)**

### **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)**

**1070. Introduction to Music History and Literature II –** An overview of the fundamentals  
in the history and literature of music from 18<sup>th</sup> century Classicism through the New Music of the  
20<sup>th</sup> century. This course will emphasize listening and is designed for music majors. **(3)**

**2000. Music Appreciation –** General study in the history and literature of music designed for  
the non-music major. **(3)**

**2050. Music History I –** Ancient, Medieval, and Renaissance music. Pre-requisite: MUSH  
1050. **(3)**

**2060. Music History II –** Music of the Baroque era. Prerequisite: MUSH 1050. **(3)**

**2130-2140. Afro-American Music –** Music of the African American. **(3-3)**

**3050. Music History III –** Classical and Romantic music. Prerequisite: MUSH 1050. **(3)**

**3060. Music History IV –** Contemporary music. Music of the 20th century. Prerequisite:  
MUSH 1050. **(3)**

### **Musicianship (MUSM)**

**1200. Italian Diction –** Rules of pronunciation in basic Italian song literature. **(1)**

**1211,1212 - 1221, 1222. Voice Class I – II –** Principles of voice production.  
**(1,2 - 1,2)**

**2211,2212 - 2221,2222. Voice Class III – IV –** More advanced approach to voice  
production. Prerequisite: MUSM 1211-1221 or private voice study. **(1,2 - 1,2)**

**1270-1280. Piano Class I – II –** Fundamental piano techniques. **(1-1)**

**2270-2280. Piano Class III – IV –** Continuation of basic piano techniques. Pre-requisite:  
MUSM 1270-1280 or private piano study. **(1-1)**

**3270-3280. Piano Class V – VI**– Advanced techniques of piano study. Pre-requisites: MUSM 2270-2280. **(1-1)**

**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)**

**2020. Foundations in Functional Musicianship II – Woodwinds and Brass** – Techniques of woodwind and brass playing and fundamental pedagogy. **(1)**

**3010. Foundations in Functional Musicianship III – Strings and Guitar** – Basic techniques of playing stringed instruments and basic fingering and techniques of guitar playing. **(1)**

**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)**

**2180. Elementary Conducting** – Techniques and terminologies for beginning conductors. **(2)**

**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)**

**2200. French Diction**– Rules of pronunciation using basic French song literature. **(1)**

**3200. German Diction**– Rules for pronunciation using basic German song literature. **(1)**

**4001, 4002, 4003. Directed Readings in Music**– **(1, 2, 3)**

**4101, 4102, 4103. Special Topics in Music**– Selected studies in the history, literature, performance, or theory of music. **(1, 2, 3)**

**4210-4220. Vocal Pedagogy and Literature I – II** – Pedagogical and historical concepts in vocal study, vocal production and vocal literature. Prerequisite: Junior or senior status. **(2-2)**

**4250-4260. Major Applied Instrument Pedagogy and Literature I – II** – Pedagogical and historical concepts of the major applied instruments, methodologies, and literature. Prerequisite: Junior or senior status. **(2-2)**

**4270-4280. Piano Pedagogy and Literature I – II** – Pedagogical and historical concepts in piano study, methodologies and literature. Prerequisite: Junior or senior status. **(2-2)**

**4999. Senior Comprehensives**– Required in last semester of residence for Bachelor of Arts majors. **(0)**

### **Music Theory (MUST)**

**1030-1040. Music Theory I – II**– Rudiments of music; part-writing techniques; primary, secondary triads and dominant sevenths and inversions. Prerequisite for MUST 1030: entrance examination. MUST 1030 is prerequisite for MUST 1040. **(3-3)**

**1030L-1040L. Music Theory Lab I – II** – Emphasis on sight-reading, ear-training, and dictation. Prerequisite for MUST 1030L: entrance examination or MUST 1000. MUST 1030L is prerequisite for MUST 1040L. **(1-1)**

**2030-2040. Music Theory III – IV**– Advanced part-writing; seventh chords, secondary dominants, simple and advanced alterations; modulation; chromatic harmony; 20th century applications. Prerequisite: MUST 1030-1040. MUST 2030 is prerequisite for MUST 2040. **(3-3)**

**2030L-2040L. Music Theory Lab III – IV** – Advanced sight-reading, ear-training, and dictation. Prerequisite: MUST 1030L-1040L. MUST 2030L is prerequisite for MUST 2040L. **(1-1)**

**3030. Eighteenth Century Counterpoint**– Contrapuntal techniques and stylistic functions found in Baroque forms; practical application to writing in this style. Prerequisites: MUST 1030-1040 and MUST 2030-2040. (2)

**3090. Orchestration**– Study of and writing for orchestral instruments. Prerequisites: MUST 1030-1040 and 2030-2040. (2)

**3111-3112. Composition I – II** – Study of compositional methods and writing in small forms. Prerequisites: MUST 1030-1040 and MUST 2030-2040. (2-2)

**4030-4040. Analytical Techniques I – II** – Historical analysis of music from Medieval to Contemporary era. Prerequisites: MUST 1030-1040 and MUST 2030-2040. (2-2)

**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)

#### **Music Recitals (MURE)**

**1070A-1070B, 2070A-2070B, 3070A-3070B, 4070A-4070B. Recital Class** – Weekly recitals for performance experiences. Required of all music majors. (0)

**3000. Junior Recital** – Required during junior year of all performance majors. (0)

**4000. Senior Recital** – Required during senior year of all performance majors. (0)

### **PHARMACY**

#### **DIVISION OF BASIC PHARMACEUTICAL SCIENCES**

##### **MEDICINAL CHEMISTRY (PHCH)**

**4450-4460. Medicinal Chemistry I and II**– Usually offered fall and spring semesters respectively. Chemistry of drugs and related endogenous compounds, structures, classifications, structure-activity relationships, mechanisms of actions, physicochemical properties, and metabolism. Prerequisite for both: PHSC 3622. Corequisite for 4450: PHSC 3632L, Prerequisite for 4460: PHSC 3632L. (3-3)

##### **PHARMACOLOGY (PHCL)**

**3350. Biomedical Immunology**– Usually offered in fall semester. Immunology from a biomedical perspective as applied to pharmacy practice. Introduces basic principles of the immune system as an adaptive physiological system. Prerequisite: Admission to the College of Pharmacy. (2)

**3450-3460/3450L. (BIOL 3450/3450L-3460) Human Physiology and Anatomy** – 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. (3-3/1)

**4310. Pathophysiology** – Usually offered fall semester. Basic principles of general and systemic disease processes. Emphasis placed on etiology, clinical findings and pathogenesis of selected diseases. Prerequisites: PHSC 4120, PHCL 3450, PHCL 3450L, PHCL 3460, PHCL 3350, PHSC 3640. (4)

**4510-4520/4520L. Pharmacology I and II** – Usually offered fall and spring semesters respectively. Principles and mechanisms by which chemical agents modulate physiological functions. The laboratory addresses applications of pharmacological concepts. Major topics include basic principles, autonomic, cardiovascular, renal, endocrine, gastrointestinal, and central nervous system pharmacology, autacoids, immunomodulators, antimicrobial and anticancer agents. Prerequisites: PHSC 4120, PHSC 3622, PHCL 3350, PHSC 3640, Corequisite of 4510: PHCL 4310. Prerequisite for 4520/4520L: PHCL 4310. **(4-3/1)**

### **PHARMACEUTICS (PHCT)**

**4050/4050L. Pharmaceutics I**– Usually offered spring semester. 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. Prerequisite: PHCY 3150, Corequisites: PHCY 4050 and 4050L are mutually corequisite. **(3/1)**

**4060. Pharmaceutics II**– Usually offered fall semester. 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: PHSC 3622, PHCY 3150. **(3)**

**4480. Biopharmaceutics and Basic Pharmacokinetics**– Usually offered spring semester. Mathematical descriptions of the complex processes involved in drug release, absorption, distribution, metabolism and excretion. Introduction to the basic pharmacokinetic principles behind the assessment of bioavailability and bioequivalence, drug interactions and calculations of dosage regimens. Prerequisites: PHCT 4050 and PHCT 4060. **(3)**

### **PHARMACY (PHCY)**

**3030. Introduction to Pharmacy I** – Usually offered fall semester. Introduction to history of pharmacy, healthcare, epidemiology, preventive medicine, pharmacy laws and regulations, pharmacy careers and applications of technology in pharmacy. Includes basics of pharmacy practice and use of traditional and electronic drug information resources. Prerequisite: Admission to College of Pharmacy. **(2)**

**3041. Pharmacy Skills Lab 1** – Usually offered spring semester. Experiences designed to assure students are prepared to deal with the technologies and computer systems that permeate the health care environment. **(1)**

**3150. Pharmaceutical Calculations** – Usually offered fall semester. Reviews basic arithmetic skills and discusses fundamental calculations encountered in the practice of pharmacy. Prerequisite: Admission to the College of Pharmacy. **(2)**

**4000. Women's Health** – Usually offered in the spring semester. Women's health is an elective course focusing upon 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: Successful completion of all first year pharmacy courses, PHCL 4310, PHCL 4510, and PHCH 4450. **(2)**

**4042. Pharmacy Skills Lab 2** – Usually offered fall semester. Experiences designed to prepare the students for clinical practice including physical assessment skills in selected anatomical systems, introduction to interviewing and counseling techniques, and CPR. **(1)**

**4310-4320. Research and Literature Evaluation I and II** – Usually offered fall and spring semesters, respectively. Introduction to theory and practice of research methodology and evaluation of literature in biomedical sciences. Topics include protocol development, study designs, sampling techniques, data collection, measurement and analysis, ethical and regulatory considerations as well as techniques for evaluating and summarizing medical literature. Prerequisite: PHCY 4600 and enrollment in College of Pharmacy for two years. PHCY 4310 is a prerequisite to PHCY 4320. **(1-1)**

**4350. Herbs & Other Complementary & Alternative Medicine** - Usually offered in the spring semester. This elective course is designed to provide the student with information about the common uses of popular herbal products and other important complementary and alternative medicines (i.e. dietary supplements) in the United States. The course will include a discussion of plant parts, historical origination, mechanism of action as available, adverse effects, drug interactions, safety, efficacy and quality control issues. Prerequisite: PHCL 4310, PCLN 4660, PCLN 4670. **(3)**

**4430. Basic and Clinical Nutrition** – Usually offered spring semester. Information on nutrition in relationship to maintenance or restoration of health and treatment of diseases. Prerequisite: PHSC 4120 and enrollment in College of Pharmacy for one year. **(3)**

**4600. Biostatistics**– Usually offered fall semester. Introduction to basic biostatistical principles and statistical concepts, principles and methods used in designing experiments, analyzing data and drawing inference in biomedical/pharmaceutical sciences. The student shall also be exposed to the use of a statistical software package. Prerequisite: Admission to the College of Pharmacy. **(3)**

**5500. Seminar**– Designed to provide experience in preparation and presentation of pharmacy related topics to professional peers. Seminar topic categories include pharmacy practice, therapeutic issues, and research reports. Prerequisites: PCLN 4660 and PCLN 4670. **(1)**

## **PHARMACEUTICAL SCIENCES (PHSC)**

**3622. Principles of Drug Action**– Usually offered spring semester. Concepts and principles across a range of basic pharmaceutical sciences including medicinal chemistry, pharmacology, toxicology and pharmacokinetics. Major topics addressed include physicochemical properties, drug stability, metabolism, pharmacodynamics, toxicity, pharmacokinetics, drug design and radiopharmacy. Prerequisite: PHSC 4120. **(2)**

**3632L. Pharmaceutical Sciences Lab**– Usually offered fall semester. Topics include laboratory safety, scientific report preparation, partition coefficients, distribution phenomena, buffers, drug lability, enzyme function, biotechnology and immunology. Prerequisite: PHSC 3622. **(1)**

**3640. Molecular Biology and Biotechnology** – Usually offered spring semester. Molecular biology concepts applied to pharmacy with emphasis on components, techniques and products of pharmaceutical biotechnology. Prerequisites: Admission to the College of Pharmacy and PHSC 4120. **(3)**

**4120. (PHSC 4120) Pharmaceutical Biochemistry** – Students will be introduced to the structure and function of biomolecules, including their metabolism, synthesis, and degradation. They will learn major biochemical pathways and biochemical energetics. Students who complete the course will be aware of the significance of biochemistry relative to specific clinical problems. They will be cognizant of diseases derived from aberrant biochemical processes and of biochemical solutions based upon an understanding of molecular cellular processes. Prerequisites: CHEM 2220 or equivalent. Limited to Pharmacy students. **(3)**

**PHARMACY**  
**DIVISION OF CLINICAL AND ADMINISTRATIVE SCIENCES**

**CLINICAL PHARMACY (PCLN)**

**4370. Pharmacy Practice** – Usually offered fall semester. Provides an orientation to various areas of contemporary pharmacy practice. Topics include practices in community, institutional, industrial, nuclear, long term care, and clinical pharmacy. Application of knowledge is emphasized. Prerequisites: PHCY 3030, PHCL 4510-4520/4520L, PHAD 4450, PHCT 4050/4050L, PHCT 4060 and PHCH 4450-4460. Corequisite: PCLN 4370L. **(3)**

**4370L. Pharmacy Practice Lab** – Usually offered fall semester. Simulation of professional activities associated with community and institutional pharmacy practices. Corequisite: PCLN 4370. **(1)**

**4590. Applied Pharmacokinetics** – Usually offered fall semester. Focus on principles of therapeutic drug monitoring and clinical pharmacokinetics of select drugs in different patient populations and disease states. Prerequisites: PHCL 4510, PHCL 4520-4520L, PHCT 4480. **(3)**

**4660-4670-4680. Disease State Management I, II & III** – Usually offered spring (I and III), and fall (II) semesters. Information on clinical use of drugs. Focus on assessment and medical management of various disease states, consideration and precautions in selection and dosing of medications, and recognition of significant adverse effects and toxicity of drugs. For 4660 – Prerequisites: PHCL 4310, PHCL 4510, PHCH 4450. For 4670 – Prerequisites: PCLN 4660, PHCL 4520/4520L, PHCH 4450-4460. For 4680 – Prerequisite: PCLN 4660, PHCH 4450-60. **(5-5-5)**

**4660-4670-4680D. Disease State Management I, II, III Drill/Case Studies** – Usually offered spring (I and III) and fall (II) semesters. These drill sections are designed to reinforce the lecture series through problem based learning. **(0)**

**4685. Advanced Topics in HIV/AIDS** – Usually offered in the spring semester. This elective course is intended to provide a higher-level and more in-depth discussion of areas of contemporary concern and interest in the pharmaceutical care process of HIV/AIDS disease and its complications. Corequisite: PCLN 4680 or approval of instructor. **(2)**

**5302-5304. Community Pharmacy Practice** – Usually offered all semesters including summer. 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. **(6-6)**

**5305-5307. Hospital Pharmacy Practice** – Usually offered all semesters including summer. 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. **(6-6)**

**5312-5314. Ambulatory Care Practice** – Usually offered all semesters including summer. 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. **(6-6)**

**5322-5324. Acute Care-Internal Medicine Practice** - Usually offered all semesters including summer. 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)

**5332. Drug Information Services** – Usually offered all semesters including summer. 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)

**5335. Inpatient Infectious Disease Elective** – Usually offered all semester including summer. 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)

**5336. Outpatient Infectious Disease Elective** – Usually offered all semesters including summer. 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)

**5337. Diabetes Education and Management Elective** – Usually offered all semesters including summer. 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)

**5338. Women's Health Services Elective** – Usually offered in the fall and spring semester. 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)

**5339. Asthma Education & Management Elective** – Usually offered all semester excluding summer. Professional experience involving direct patient care in asthma education, asthma device training, and reinforcement and dissemination of drug information to patients and health care professional. Goals include enhancing asthma care, patient knowledge, and patient satisfaction with care through collaboration with physicians, pharmacists, patients, and families. Activities include presentations, journal club, and seminars. Prerequisite: Completion of all first, second, and third year pharmacy courses. (6)

**5340. Intensive 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)

**5350. 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)

**5351. 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)

**5352. 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)

**5353. 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)

**5354. 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)

**5355. 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)

**5359. 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)

**5360. 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)

**5361. 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)

**5362. 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)

**5363. 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)

**5402-5404. Research Elective: Pharmacy Administration I-III** – Elective rotation focused in an area of health economics, social health, behavioral health or public policy. Recommended for students interested in clinical or health administration careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. (6)

**5405-5407. Research Elective: Minority Health & Health Disparities Research I-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)

**5408-5410. Research Elective: Basic Pharmaceutical Science I-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)**

**5411-5412. Research Elective: Clinical Drug Trials I-III** – Elective rotation focused on the operations and execution of Phase III and IV sponsored clinical trials. Recommended for students interested in clinical or basic science research careers. Prerequisite: Completion of all first, second, and third year pharmacy courses. **(6)**

**5422. Professional Experience Program 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)**

**5501-5502. Professional Experience Program Meetings I-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)**

### **PHARMACY ADMINISTRATION (PHAD)**

**4410. Pharmacy Management** – Usually offered fall semester. Introduces economic, administrative, and social behavioral aspects associated with the operation of a pharmacy. Major topics include; organizational structure, policy formulation, financial analysis, purchasing and inventory control, personnel management, pricing, and promotion. Prerequisites: ECON 1030, PSYC 1010 or SOCI 1010. Corequisite: PCLN 4370. **(3)**

**4430. Practice Management and Pharmacoeconomics** – Usually offered spring semester. Application of pharmacy management principles to practice settings and introduction to principles of economic outcomes assessment as tools in decision-making. Prerequisite: PHAD 4410. **(3)**

**4450. Behavioral Pharmacy and Communications** – Usually offered spring semester. Emphasizes improvement of interpersonal communication to enhance patient understanding of therapeutic regimens and achievement of desired health outcomes. The theoretical framework is formed from the patient-centered model of the medication use process. Prerequisites: Enrollment in College of Pharmacy for one academic year, PSYC 1010 or SOCI 1010. **(2)**

**4520. Pharmacy Law** – Usually offered spring semester. Study of the Federal Controlled Substance ACT, DEA regulations and Louisiana State Laws. Includes focus on malpractice liability, theory and legal issues. Prerequisite: PCLN 4370/4370L. **(2)**

**4560. Pharmaceutical Marketing** – Usually offered spring semester. This elective course is designed to provide exposure to the business side of the pharmaceutical industry from a marketing perspective – specifically, marketing, marketing research, and advertising and promotion. Prerequisite: PHCY 3030. **(3)**

### **PHILOSOPHY (PHIL)**

#### **Introductory Courses**

**A STUDENT MAY NOT TAKE MORE THAN ONE OF THESE COURSES TO SATISFY CORE CURRICULUM REQUIREMENTS.**

**1030. Great Books in Philosophy** – An introduction to philosophy using the original writings of several philosophers from the classical to the contemporary periods. The intent of this course is to develop the student's capacity for critical reading, writing, and thinking, with a general consideration of the nature, methods, and cultural impact of philosophy. Prerequisite: completion of any required non-degree credit courses. **(3)**

**1070. Problems in Philosophy** – An introduction 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. This course will develop the student's capacity for critical reading, writing, and thinking. Prerequisite: completion of any required non-degree credit courses. (3)

THE FOLLOWING COURSES MAY BE TAKEN AS EITHER  
INTRODUCTORY COURSES OR AS UPPER LEVEL COURSES.

**2011. History of 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 course aims to improve the student's capacity for critical reading, writing and thinking. Prerequisite: completion of any required non-degree credit courses. (3)

**2021. History of 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 course aims to improve the student's capacity for critical reading, writing and thinking. Prerequisite: completion of any required non-degree credit courses. (3)

**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 course aims to improve the student's capacity for critical reading, writing and thinking. Prerequisite: completion of any required non-degree credit courses. (3)

**2040. Logic** – 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. This course will increase the student's ability to reason rigorously. Prerequisite: completion of any required non-degree credit courses. (3)

**2045. Ethics: General Principles** – This course offers a study of the nature of ethics and the ethical themes and theories that influence modern culture. This course will increase the student's ability to think critically and thoroughly about ethical principles. Prerequisite: completion of any required non-degree credit courses. (3)

### Upper Level Courses

**2060. Environmental Philosophy** – This course will increase the student's knowledge of humanity's understanding of its relationship to the natural environment. Topics include historically prominent conceptions of that relationship, the philosophical foundation of the contemporary environmental movement, and attempts to construct philosophically defensible environmental ethics. Prerequisite: 3 semester hours in philosophy. (3)

**2080. African American Philosophy** – A study of 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: 3 semester hours in philosophy. (3)

**2081. African Philosophy** – This course provides an introduction to African Philosophy. The course is divided into three parts. Part I will focus on recent debates about the nature and scope of African Philosophy. Issues to be examined here include: (1) philosophy and colonialism; (2) the significance of traditional African beliefs for contemporary philosophical practice; (3) individual thinkers and communal wisdom; and (4) writing versus speech as vehicles for philosophical expression. In Parts II and III we turn more explicitly to philosophical issues concerning (5) science, technology, and modernization in Africa; and (6) African political theory. Prerequisite: 3 semester hours in philosophy. (3)

**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: 3 semester hours in philosophy. (3)

**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: 3 semester hours in philosophy. (3)

**2400. Health Ethics**– This course will survey a range of ethical issues pertaining to the health professions. Topics to be examined 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)

**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 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)

**3190. Legal Reasoning** – (Serves as an elective in the Law and Humanities Minor.) This course will increase the student's knowledge of legal reasoning in statutory, common law, and constitutional interpretation and of philosophical issues of jurisprudence connected with legal reasoning. Prerequisite: 3 semester hours in philosophy. (3)

**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)

**3260. Philosophy of Law**– (Serves as a requirement in the Law and Humanities Minor.) An examination of 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)

**4001, 4002, 4003. Directed Reading**– Prerequisite: six semester hours in philosophy and permission of chairperson. (1, 2, or 3)

**4500S. Seminar**– (Special Offerings) Prerequisite: 6 semester hours in philosophy or permission of instructor. (3)

**4999. Senior Comprehensives**– (0)

## **PHYSICS (PHYS)**

**1061. (ENGR 1061) Modern Engineering Graphics** – Usually offered fall and spring semesters. An introduction to the basic techniques and concepts of engineering drawing including plane and descriptive geometry orthographic, isometric, sectional views, auxiliary views, and dimensional representations, and generating 2D and 3D computer designs. One hour of lecture and four hours of drawing and computer laboratory per week. (3)

**1121. General Physics** – Usually offered fall and spring semesters. First of a three-course sequence (PHYS 1121-2111-2121) 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 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. Corequisite: Math 1070 **(4)**

**1530. How Things Work** – 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)**

**2010/2010L. General Physics** – Usually offered fall semester and 1st summer session. First of a two-course sequence (PHYS 2010-2020) treating the fundamental laws and principles of the various fields of physics: mechanics and heat. Prerequisite: Grade of "C" or better in MATH 1030. **(3/1)**

**2020/2020L. General Physics** – Usually offered spring 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: PHYS 2010. **(3/1)**

**2111. General Physics** – Usually offered fall and spring semesters. Second of a three-course sequence (PHYS 1121-2111-2121) for majors in physics and engineering treating sound, vibrations and waves, heat and geometric optics. 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. Corequisite: MATH 2070. Prerequisite: PHYS 1121. **(4)**

**2121. General Physics** – Usually offered fall and spring semesters. Third of a three-course sequence (PHYS 1121-2111-2121) 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. Corequisite: MATH 2080. Prerequisite: PHYS 2111. **(4)**

**2630. (ENGR 2630) Analytical Methods for Physics and Engineering** – 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. Prerequisites: PHYS 2121 and MATH 2080. Corequisite: MATH 2530. **(3)**

**3010. (ENGR 3010) Electricity and Magnetism I** – Usually offered fall and spring semesters. 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. Prerequisites: PHYS 2121, PHYS 2630, MATH 2030, and MATH 2080. **(3)**

**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. Prerequisites: PHYS 3010 and MATH 2530. **(3)**

**3020. (ENGR 2020) Mechanics-Dynamics** – Usually offered fall and spring semesters. Systematic presentation of elements of classical mechanics using language of vector algebra and vector calculus. Topics include kinematics, kinetics, work, energy, impulse, and momentum. Prerequisites: PHYS 2121 and MATH 2080. **(3)**

**3030. (ENGR 3030) Optics** – Usually offered fall semester. Study of theories of geometrical and physical optics, including reflection, refraction, interference, diffraction, polarization, double-refraction, and lasers. Prerequisites: PHYS 2121 or 2020 and MATH 2070. **(3)**

**3040. (ENGR 3040) Thermodynamics** – Usually offered spring semester. Study of heat and temperature, the thermodynamics laws, work, ideal gases, engines, refrigeration, reversibility, entropy, phase transitions. Prerequisites: PHYS 2121 or PHYS 2020 and MATH 2030. (3)

**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. Prerequisites: PHYS 2121 or PHYS 2020 and MATH 2070. (3)

**3120. (ENGR 2120) Network Analysis I** – Usually offered fall and spring semesters. 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. Prerequisites: PHYS 2121 and 2630 and MATH 2030 and 2080. (3)

**3210. (ENGR 2210) Mechanics-Statics** – Usually offered fall and spring semesters. 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. Prerequisites: PHYS 2121 and MATH 2080. (3)

**3310L. Advanced Laboratory** – Usually offered fall semester. For physics and engineering majors. Sophisticated experiments in optics and Modern Physics. Prerequisite: junior or senior status. (1)

**3320L. Advanced Laboratory** – Usually offered spring semester. For physics and engineering majors. Sophisticated experiments in electricity and magnetism, circuits and electronics. Prerequisite: junior or senior status. (1)

**3510S - 3520S. Physics and Engineering Seminar** – 3510 usually offered fall semester; 3520 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. (1-1)

**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: PHYS 3050. (3)

**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: Permission of chairperson or advisor. (1)

**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: Permission of chairperson or advisor. (2)

**4530. Special Topics**– Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisites and corequisites: Permission of the instructor. (3)

**4999. Senior Comprehensives** – (0)

## **POLITICAL SCIENCE (PSCI)**

**1010. Introduction to Political Science** – Usually offered fall and spring semesters. This course introduces students to the fundamental concepts and principles of political life. Focus is upon the development of the state; the role of ideology, and political participation, particularly the impact of the individual on politics. (3)

**1020. American Government** – Usually offered fall and spring semesters. Issues of American politics, including the Constitution, federalism, interest groups, political parties and elections, presidency, congress, courts, the Bill of Rights, and political equality. (3)

**2010. Research Methods** – Usually offered fall semester. 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. (3)

**2040. International Relations** – Usually offered fall semester. Basic orientation to study of international politics. Various objectives of nations' foreign policy. Patterns of interaction among nations, transitional organizations, intergovernmental organizations, and non-state actors in the contemporary world, stressing the nature and sources of international conflict. (3)

**2050. (PADM 2050) Introduction to Public Administration** – Usually offered spring semester. Introduction to concepts, processes and methods involved in the administration of public agencies, including a survey of approaches used in the study of public administration. (3)

**2060. International Law and Politics** – 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. (3)

**2100. Law, Politics, and Society** – Usually offered spring semester. An introduction to the nature, functions, and limits of law and legal institutions. Includes an analysis of the world's legal systems, but emphasizes the Anglo-American legal tradition. (3)

**2120. Judicial Process** – Usually offered fall semester. 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. (3)

**2390. State Politics** – Politics at the state level, including the relationship of state government to local governments, state party politics, legislative and executive processes. (3)

**2410. Public Opinion and Voting Behavior** – Relationships among attitude, the family, the school, political culture, mass media, and factors influencing voting and other political behavior. (3)

**2440. Black Politics** – Usually offered fall semester. Basic approaches to the study of Black politics. An examination of the nature of racism and the methods employed by Blacks to overcome oppression. (3)

**2511. Quantitative Analysis** – A survey of introductory statistics examining both descriptive and inferential statistical processes. Prerequisite: completion of all developmental mathematics requirements and PSCI 2010. (3)

**3010. Comparative Politics** – Usually offered spring semester. Survey of different types of political systems and study of government and politics of some major nations in Europe, Asia, Africa, and Latin America. (3)

**3040. International Organization** – This course examines the historical, structural-functional, and decision-making approaches of international organizations. Emphasis will be on the United Nations and its specialized agencies, and other international organizations established specifically for political, economic and military purposes. (3)

**3100. Constitutional Law** – Usually offered fall semester. Development of the American Constitution as reflected in decisions of the Supreme Court; focuses on powers of the three branches of government and relationships of national government to states. (3)

**3110. Civil Rights and Civil Liberties** – Usually offered spring semester. 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. (3)

**3133. (SPCM 2133) Mock Trial and Debate** – An introduction to the techniques of argumentation and debate applied to trial courts and the judicial process. Prerequisite: SPCM 1010. (3)

**3240. Political Psychology**– This course is an elective for majors or minors. It is to be offered every other fall semester. It 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; analytical framework. Prerequisites: PSCI 1010, PSYC 1010 or permission of the instructor. (3)

**3250. Political Thought**– Usually offered fall semester. Survey of the history of political thought from the Greeks to the present, emphasizing major political thinkers and the classical writings of political theory. (3)

**3270. Modern Political Thought**– Usually offered every other spring semester. Origins, development, and transformation of modern political ideologies into political movements and regimes. (3)

**3360PS. (PADM 3360PA) Public Policy**– Usually offered fall semester. 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. (3)

**3363. (PADM 3363) Environmental Policy**– Examines the interrelationship between policy making and the human environment. This course will provide students with basic environmental literacy, outline policy making process, explore issues of environmental ethics, review the nexus between science and environmental policy making, and study the leadership roles African Americans assume in the environmental policy making process. (3)

**3380. Presidency and Congress**– Usually offered fall semester. Analysis of the structure of the American presidency and congress as well as the political forces which shape these institutions and their policies. (3)

**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. (3)

**3460. Political Parties** – Usually offered spring semester. Development, organization, and influence of political parties and interest groups. (3)

**3640. American Foreign Policy**– This course provides the student with a comprehensive examination of the American foreign policy-making process. Special emphasis is upon the role of various governmental institutions on the making and execution of policy; influences which shape American foreign policy; and decision-policy models within which the student can gain a greater appreciation of the events which shape our world. (3)

**4050. African Politics and Government** – 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. (3)

**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. (3)

**4640. The Politics of Developing Nations** – Usually offered every other fall semester. Types of political systems found in contemporary Africa, Asia, and Latin America, and a survey of government and politics of some major nations which are considered developing nations. (3)

**4650. Democracy and Comparative Governments** – Origin and development of the theory of democracy and its application to contemporary political systems. Focuses on political processes, institutions, and policies of selected governments. (3)

**4800. Advanced Research in the Behavioral Sciences**– Intended for students preparing for a research-oriented career or planning on pursuing graduate study in their discipline. Focus on quantitative analysis of data using mainframe computers and SPSS and the presentation of reports and hypothesis testing. Students will complete a significant research project within a general topic area and using a large data set selected by the instructor. Prerequisites: PSCI2511 and PSCI 2010, or consent of instructor. (3)

**4901PS, 4902PS, 4903PS. Independent Study** – Intensive individual readings in areas agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. (1, 2, 3)

**4911PS, 4912PS, 4913PS. Independent Research**– Research project on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. (1, 2, 3)

**4920UV. Seminar in Urban Studies**– In-depth study of a particular urban policy area such as housing, race, transportation, employment, welfare, etc. Field observations and class reports included. (3)

**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 Black Political Organizations, New Orleans Politics, Politics of Education, Women and Politics, etc. (3)

**4953UV/4956UV. Political 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 chairperson. (3 for 10 hrs/week field assignment; 6 for 20 hrs/week field assignment)

**4963/4966. Legal Internship**– Placement with a law office or judicial agency under field supervisor. Student prepares written analysis of his 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 chairperson. (3 for 10 hrs/week field assignment / 6 for 20 hrs/week field assignment)

**4999. Senior Comprehensives**– (0)

## **PSYCHOLOGY (PSYC)**

**1010. Introductory Psychology**– Usually offered fall, spring, and summer semesters. 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)

**1012. Human Development**– A study of the individual from birth to senescence. Emphasizes normal physical, emotional, and intellectual development. (3)

**2010. History and Systems in Psychology**– Offered occasionally. A survey of philosophical, theological, and physiological roots of psychology as well as more contemporary views and trends. Prerequisite: PSYC 1010 or permission of instructor. (3)

**2020. Experimental Psychology** – Usually offered fall and spring semesters. Examines the methods of psychology such as observation, case study, and experimentation. Prerequisite: PSYC 1010. (3)

**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. (3).

**2070. Comparative 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)

**2080. Writing in Psychology**– Offered periodically. 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. (3)

**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. (3)

**2511. (BHSC 2511) Analytic Research I**– Usually offered fall and spring semesters. 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)

**2512. Introduction to Research**– Usually offered fall and spring semesters. Research approach to selected topics from PSYC/BHSC 2511; scientific report writing, logic of scientific method, research design, library research, and readings from the literature. Pre-requisites: PSYC 1010, PSYC/BHSC 2511 or MATH 1020 or STAT 2010, and PSYC 2020. (3)

PSYCHOLOGY 1010, 2020, AND 2512, OR PERMISSION OF THE INSTRUCTOR ARE THE PREREQUISITES FOR ALL 3000 AND 4000 PSYCHOLOGY COURSES. EXCEPTIONS ARE PSYC 3041, 4011, 4012, AND 4013 (SPECIFIC PREREQUISITES FOR THESE COURSES ARE INDICATED WITH THE COURSE DESCRIPTION).
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**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. (3)

**3020. (EDUC 3020) Child Psychology**– Usually offered fall semester. Study of physiological, intellectual, social, emotional, and moral factors affecting child growth and development. (3)

**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. (3)

**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. (3)

**3040. (EDUC 3040) Educational Psychology**– Usually offered fall semester. 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. (3)

**3041. Black Psychology**– 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)

**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. **(3)**

**3050. Physiological Psychology**– 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: BIOL 1030 or 1230. **(3)**

**3080. Abnormal Psychology** – Usually offered fall semester. Classifications from DSM-IV 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. **(3)**

**3090. 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. Prerequisite: PSYC 3080 **(3)**

**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. **(3)**

**3110. Psychotherapies**– Usually offered spring semester. 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. Prerequisite: PSYC 3080. **(3)**

**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: MATH 1020 could be used in place of PSYC 2511 as a prerequisite. **(3)**

**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. **(1)**

**4000S. Seminar** – Offered rarely. Content varies according to current developments in field of psychology and student needs. **(3)**

**4010. Theories of Personality** – A survey of the major personality theories and their authors, as well as their systematic approaches to developing their theories. **(3)**

**4011, 4012, 4013. Independent Study** – Offered periodically. Intensive individual readings on topic agreed upon by student and the instructor. Prerequisite: Permission of instructor and chairperson. **(1, 2, 3)**

**4030. The Psychology of 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. **(3)**

**4040. 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. Prerequisite: PSYC 3010. **(3)**

**4050. Psychopharmacology**– Emphasizes the biomedical model in the treatment of mental and behavioral disorders. Also examines the use of antidepressants, antipsychotics, and other drug therapies for the treatment of psychopathologies. Prerequisite: PSYC 3080. **(3)**

**4080. Community Psychology**– Community Psychology is an integral component of Clinical Psychology and the Clinical Curriculum within the University’s Psychology Department. Primarily, this course will introduce students to the nature of “indirect services” (as opposed to direct service such as individual psychotherapy or drug therapy) which are based on primary, secondary, and tertiary prevention. Community Psychology is an action science: its goal is to understand critical social issues and problems through research, theory, and action. Prerequisites: PSYC 3080 and 3110 or permission of the instructor for non-majors. **(3)**

**4090. (EDUC 4090) Adolescent Psychology** – Usually offered spring semester. Characteristics and attendant problems of adolescent growth and development. Relevant techniques in teaching and guidance based on modern research. Prerequisite: PSYC 3040. **(3)**

**4398-4399. Clinical Practicum**– 4398 usually offered fall semester; 4399 usually offered spring semester. 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. Prerequisite: PSYC 3080 and PSYC 3110, permission of instructor and 3.0 grade point average in psychology. **(3)**

**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, 2020, 2511 or MATH 1020 or STAT 2010, PSYC 2512, and the completion of the majority of major courses. **(3)**

**4997-4998. Advanced Topics in Psychology I, II** – Offered occasionally. A comprehensive analysis, synthesis, and integration of the scientific principles, theoretical foundations, and applications of the major subdisciplines within the field of psychology. Prerequisites: PSYC 1012, 2010, 3010, 3050, 3080, and PSYC/BHSC 2511. **(1,1)**

**4999. Senior Comprehensives** – **(0)**

## **PUBLIC ADMINISTRATION (PADM)**

**2050. (PSCI 2050) Introduction to Public Administration** – Introduction to concepts, processes and methods involved in administration of public agencies, including a survey of approaches used in the study of Public Administration. **(3)**

**3360PA. (PSCI 3360PS) Public Policy** – Usually offered fall semester. Development and content of public policy in American political system, focusing on 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. **(3)**

**3363. (PSCI 3363) Environmental Policy** – Examines the interrelationship between policy making and the human environment. This course will provide students with basic environmental literacy, outline policy making process, explore issues of environmental ethics, review the nexus between science and environmental policy making, and study the leadership roles African Americans assume in the environmental policy making process. **(3)**

**3370. Administrative Behavior**– Usually offered spring semester. Concepts of administrative behavior in public organizations, including decision-making, leadership, small group behavior, and analysis of such organizations as social systems. **(3)**

**3500. Public Personnel Administration** – Usually offered every other spring semester. Basic properties, practices, and issues of public personnel administration including recruitment, management, motivation, and ethics in public service. Prerequisite: PADM 2050. **(3)**

**3510. Public Financial Administration** – Usually offered every other spring semester. Emphasizes the budget process as related to programs conditioned by revenue estimates based upon taxes, assessments, and appropriations. Prerequisite: PADM 2050. **(3)**

**3520. Program Planning and Evaluation** – Usually offered every other fall semester. Introduction to the techniques of program planning and evaluation as a government process. Prerequisite: PADM 2050. **(3)**

**4530S. Public Administration Seminar** – Usually offered spring semester. Selected topics in public administration with an attempt to relate field experiences of students to principles of administration. Prerequisite: PADM 2050. **(3)**

**4901PA, 4902PA, 4903PA. Independent Study** – Usually offered fall and spring semesters. Intensive individual readings on topic agreed upon by student and chairperson. Prerequisite: Permission of instructor and chairperson. **(1, 2, 3)**

**4911PA, 4912PA, 4913PA. Independent Research**– Usually offered fall and spring semesters. Research project on topic agreed upon by student, instructor, and chairperson. Prerequisite: Permission of instructor and chairperson. **(1, 2, 3)**

**4953UV/4956UV. 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 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 chairperson. **(3 for 10 hrs/week field assignment / 6 for 20 hrs/week field assignment)**

### **READING AND STUDY SKILLS (RDNG)**

**0992. Reading and Study Skills** – A course designed to help students develop and demonstrate their competence in reading and improve their study skills. Emphasis is placed on vocabulary development, literal, inferential and critical reading skills. **(3, non-degree credit)**

**2010. Critical Reading** – A course designed to help students go beyond the literal interpretation of what is read. The student learns to question, analyze, evaluate information helping to make informed judgments. Reading materials for this course will provide the opportunity to judge the author's qualifications and purpose, and to sort facts from opinions. Also to become alert to unfounded assumptions, fallacious reasoning and illogical conclusions. **(3)**

### **SALES AND MARKETING (SMKT)**

**2020. (ART 2020) Introduction to Graphic and Advertising Design** – 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. **(3)**

**2050. Principles of Marketing**– Usually offered fall and spring semesters. Basic course. 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. **(3)**

**3060. Marketing Strategy**– Usually offered fall semester. Marketing problems analyzed and decisions reached, emphasizing the management point of view. Prerequisite: SMKT 2050 and ACCT 1010 or permission of chairperson. **(3)**

**3090. Customer Relationship Management** – Usually offered spring semester. 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. Prerequisites: SMKT 2050. **(3)**

**3350. Marketing Research** – Usually offered spring semester. 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. Prerequisites: SMKT 2050, ECON 2070, or permission of the chairperson. **(3)**

**3500. Personal Selling**– Usually offered fall semester. 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. Prerequisites: SMKT 2050. (3)

**3530. Sales Force Management**– Organization, communications process, group influences, forecasting, recruiting, training, design, motivation, supervision, compensation, control of sales organizations. Prerequisites: SMKT 2050. (3)

**3550. Consumer Behavior**– Usually offered spring semester. Consumer attitudes, motivations, reactions in market, drawing on marketing, economics, psychology, sociology, theories. Prerequisite: SMKT 2050. (3)

**3600. Integrated Marketing Communications** – Usually offered spring semester. 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: SMKT 2050. (3)

**3700. Multivariate Data Analysis** – 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. Pre-requisites: SMKT 2050, ECON 2070, and ECON 2080 or [MATH 1020 (STAT 2010) and MATH 2040 (STAT 2020)]. (3)

**4000. Sales and Marketing Seminar** – Usually offered spring semester. A survey of topics/issues of current interest in marketing. Prerequisites: Senior standing or permission of the chairperson. (3)

**4010S. (MGT 4010S) Leadership Seminar** - One of the key aspect 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. Prerequisites: senior standing. (3)

**4501, 4502, 4503. Directed Readings in Marketing** – Reading in area of marketing mutually agreed upon by professor and student which is not covered by current course. Prerequisite: permission of chairperson. (1, 2, 3)

**4999. (BSAD 4999) Senior Comprehensives** – (0)

## **SOCIOLOGY (SOCI)**

**1010. Introduction to Sociology** – Usually offered each semester. Available as a service learning course. 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)

SOCIOLOGY 1010 IS A PREREQUISITE FOR ALL OTHER SOCIOLOGY COURSES.
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**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. (3)

**2010. Social Problems** – Usually offered each spring semester. This course, often offered as a service learning 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. (3)

**2030. (AFAM 2030) Survey of Africa** – Interdisciplinary course dealing with traditional (pre-European), colonial, and post-independence African political, social, and economic structures and institutions. Course also focuses on problems of social, political, and economic development facing contemporary African nations. (3)

**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. (3)

**2055. Black Family** – This course is a study of the Black family in the U.S. It compares and contrasts differences and similarities among Black families, especially taking into account class and family formation. This course also addresses the treatment of the Black family in academic and governmental literature. Prerequisite: SOCI 2050. (3)

**2060. Race and Ethnic Relations** – 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)

**2510. Quantitative Research Methods and Applied Social Statistics** – Usually offered alternate fall semesters. This course introduces students to quantitative research methods and statistical applications used in sociology and the social sciences. Students develop the following skills in this course: interpreting and analyzing social scientific research, designing sociological research, and applying sociological research and statistical principles to data. Prerequisite: MATH 1010. (3)

**2520. Qualitative Research Methods** – Usually offered alternate spring semesters. Usually offered as a service learning course. Students learn to employ qualitative research methods and forms of data collection through the following techniques: survey (questionnaire and interview), participant and non-participant observation, focus group analysis, use of secondary analysis, and experimentation. The course is both theoretical and applied sociology. (3)

**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. (3)

**3025. (AFAM 3025) 20<sup>th</sup> Century African American Urban Life** – This interdisciplinary course examines African Americans as agents in shaping the 20<sup>th</sup> 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: AFAM 2000. (3)

**3030. Sociological Theory** – Usually offered each fall semester. This course, formulated in socio-historical context, addresses the major theoretical paradigms within, and the major contributors to, the development of sociological theory. (3)

**3040. Population and Society** – 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. (3)

**3042. Deviance** – Usually offered each fall semester. 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. (3)

**3044. Crime and Delinquency**– This course is an introduction to the study of criminology. It covers the use and abuse of crime statistics; sociological models of crime delinquency; patterns of criminal behavior; history and substantive analysis of criminal justice institutions and processes. (3)

**3060. Sociology of Aging**– This course is a survey of problems of aging and mortality, with a special emphasis on sociological perspectives within gerontology. (3)

**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. (3)

**3080. Race, Class and Gender Inequality** – Usually offered alternate spring semesters. 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. (3)

**3085. (AFAM 3085) Sociology of the African American Experience** – Through the application of sociological concepts, theory, and methods, this course will focus on the socio-historical experience of African Americans. Included will be a critical examination of the African Diaspora. Prerequisites: SOCI 2060 and AFAM 2000. (3)

**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. (3)

**3250. Youth and Adolescence** – This course is an examination of the problems of America's youth and society's attempt to deal with them. Focus of the course is on child welfare services, juvenile delinquency, and the emergent upheaval of children with special needs. (3)

**4000. Society and the Individual**– This course is an overview of the sociological foundations of human behavior in everyday life. Special attention is given to human behavior in institutional and societal settings, with an emphasis placed upon theories of personal development and family systems. (3)

**4010. Sociology of Education** – The course addresses the processes and patterns in educational systems. Its focus is on identifying, analyzing, and solving community educational problems. (3)

**4020. Urban Sociology** – Usually offered each spring semester. Service learning course. 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. (3)

**4040. Social Change** – This course addresses classical and modern theories of change in social structure and relationships. Also covered is a discussion of specific kinds of change/revolutions: social movements, economic growth and development, and modernization. (3)

**4045. Globalization and Comparative Social Change**– Usually offered alternate fall semesters. This course is a sociological examination of the "developing" world. Focusing on comparative and historical in-depth analysis, students investigate various African, Asian and Latin American cultures and social structures. Specifically, the course will focus on the political economy of these continents, their historical and contemporary relations with the "West", social stratification, and comparative social structures. (3)

**4050. Social Organization**– Usually offered alternate fall semesters. Service learning course. This course addresses the performance and effectiveness of formal organizations. A featured aspect of this course is an analysis of the environment created by formal organizations, and the socialization of the members of formal organizations. (3)

**4081, 4082, 4083. Guided Readings in Sociology** – This category of courses is open only to majors; non-majors must receive the approval of the departmental chairperson. Course content is dependent upon faculty discretion. (1, 2, 3)

**4650. Sociology of Women** – This course is a multi-disciplinary examination of the social, political, and economic status of women in global context, with particular attention paid to said in U.S. society and to the differential socialization of women and men. (3)

**4950. Internship** – This course involves the placement of a student in the field at a non-profit agency, governmental office, etc., under the dual supervision of an on-site evaluator and an assigned faculty member. Prerequisite: Approval of the instructor. (3)

**4960. Pro-Seminar** – This course is for advanced majors only. Offered occasionally and upon request of faculty/students. (3)

**4999. Senior Comprehensives** – (0)

## SPANISH (SPAN)

**1010-1020. Elementary Spanish** – Usually offered fall and spring semesters. 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. (3-3)

**2010-2020. Intermediate Spanish** – Usually offered fall and spring semesters. Review of grammar and further development of language skills in reading, writing, conversation and listening comprehension. Hispanic and pre-Hispanic culture 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 (2<sup>nd</sup>. semester) (3-3)

**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)

**3001-3002. Advanced Grammar and Composition** – Intensive review of grammar. Emphasis on verbs, idioms, the subjunctive, and the spoken language. Prerequisites: SPAN 2010-2020 or permission of instructor and department chairperson. (3-3)

**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 (3)

**3011-3012. Advanced Conversation** – Conversation based on texts, videos, and Web-based sources. Analysis of cultural and some literary texts. Prerequisites: SPAN 2010-2020 or permission of instructor and department chairperson. (3-3)

**3110-3120. 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) (3-3)

**3130-3140. 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) (3-3)

**3540. Spanish-American Novel**– Development of the Spanish American novel as it correlates to Spanish American history, with emphasis upon the twentieth century. (3)

**3550. Spanish-American Poetry** – Indigenous poetry through the twentieth century with emphasis upon trends and major figures since 1888. (3)

**4020. Afro-Hispanic Studies** – 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 Diasporan 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)

**4031-4041, 4032-4042, 4033-4043. Directed Readings in Spanish** – Readings in an area of Spanish literature mutually agreed upon by teacher and student which is not covered by a current course. Prerequisites: Permission of instructor and department chairperson. (1-1, 2-2, 3-3)

**4050. Internship** – Placement in a supervised work or research situation using Spanish. Prerequisite: Permission of department chairperson. (3)

**4051-4052. 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 Spanish 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. (3-3)

**4053. (FREN 4053, LANG 4053) Introduction to Literary Criticism of Spanish, Hispanic, American, French, and Francophone Literature** – 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)

**4080. (FREN 4080, LANG 4080) Foreign Language Teaching Methodology** – 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)

**4999. Senior Comprehensives** – (0)

## **SPEECH COMMUNICATION (SPCM)**

**1010. Fundamentals of Public Speaking** – Usually offered fall and spring semesters. 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)

**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)

**1070. Voice and Diction** – Analysis of characteristics of good voice and speech usage. Use of IPA (International Phonetic Alphabet). (3)

**2001, 3001, 4001. Speech Communication Practicum** – Usually offered fall and spring semesters. Practical experience in public speaking, oral interpretation, and/or debate inside and outside of the classroom under direct faculty supervision. Prerequisites: SPCM 1010 and permission of instructor. No more than 3 semester hours credit may be earned. This course does not fulfill the core curriculum requirement. **(1-1-1)**

**2010. Performance of Literature** – The study of literature through performance. Reading, analysis, and performance of literary texts. General introduction to performance studies. **(3)**

**2020. General Semantics**– Study of the significance and influence of meaning in language. Emphasis is on practical applications the uses and misuses of language in media, advertising, politics, and propaganda. **(3)**

**2070. Interpersonal Communication** – Usually offered fall semester. Designed to increase students' understanding and implementation of effective interpersonal communication behavior and skills. In this course, students will examine basic verbal and nonverbal elements affecting communication between individuals, family, peer groups, and work contexts. Students will participate in activities designed to develop interpersonal communications skills and assess their communications competence using various assessment tools. Prerequisite: SPCM 1010. **(3)**

**2075. Special Topics in Speech Communication** – A seminar-type course that will focus on a specific issue or area within the field of speech communication. Before enrolling, students should consult the instructor regarding the topic and course requirements. Prerequisite: SPCM 1010. Students may enroll in SPCM 2075 a maximum of two times. **(3)**

**2133. (PSCI 3133) Mock Trial and Debate** – An introduction to the techniques of argumentation and debate applied to trial courts and the judicial process. Prerequisite: SPCM 1010. **(3)**

**2180. Advanced Public Speaking** – Usually offered fall semester. Includes both a study of rhetorical analysis and practical experience in public speaking. Students will be required to deliver several speeches. **(3)**

**2400. The Theatre**– Survey of the major elements of theatre production and their combined theatrical effect. Includes overview of theatre history and reading of some significant plays. Special emphasis on Black Theatre. **(3)**

**2500. Intercultural Communication** – Familiarizes students with basic concepts, approaches, processes, and contexts which form the foundation for critical discussion of cross-cultural interaction. **(3)**

**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. **(3)**

**4020. Argumentation and Debate** – Principles, structures, and techniques of debate including practical implementation using current national debate topic. **(3)**

**4131, 4132, 4133. Independent Study** – An opportunity for in-depth study or research in Speech Communication. 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, 2, 3)**

## **SPEECH PATHOLOGY (SPTH)**

**1320. Introduction to Communication Disorders** – Usually offered fall semester. Definitions and methods of identifying various speech-language disorders, five hours of observation required. **(3)**

**2075. 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. Prerequisites: At least six semester hours of speech pathology/audiology courses or permission of instructor. **(3)**

**2310. Phonetics** – Usually offered spring semester. Developmental use of the International Phonetic Alphabet for normal and irregular speech patterns. (3)

**2340.(BIOL 2340) Anatomy and Physiology of Speech and Hearing Mechanism** – Usually offered fall semester. Identification and function of anatomical structures pertinent to the processes of speech and hearing. BIOLOGY CREDIT AWARDED TO SPEECH PATHOLOGY MAJORS AND MINORS ONLY. (4)

**2500. Speech and Hearing Science** – Usually offered spring semester. The basic principles of acoustics as applied to (a) the production of speech, including respiration, phonation, articulation, resonance, and (b) the perception of speech including auditory behavior. Prerequisites: SPTH 1320 and 2340. (3)

**2730. Normal Language Development** – Usually offered fall semester. Study of the normal acquisition and development of language; five hours of observation required. Prerequisite: SPTH 1320. (3)

**2760. Methods and Materials** – Usually offered fall semester. 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. Prerequisites: SPTH 1320 and 2730. (3)

**2920. Articulation Disorders**– Usually offered fall semester. Study of speech development, the causes of articulation disorders and procedures and methods for evaluation and treatment. Prerequisites: SPTH 1320 and 2310. (3)

**3335. Audiology** – Usually offered fall semester. Problems of hearing, etiologies, testing, and treatment in relation to hearing disorders. Prerequisites: SPTH 2340 and 2500. (3)

**3340. Aural Rehabilitation** – Usually offered fall semester. Interpretation of audiograms, auditory training, speech reading, prevention of hearing loss, special problems of acoustically handicapped. Prerequisite: SPTH 3535. (3)

**3535. Hearing Testing**– Usually offered spring semester. 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. Prerequisites: SPTH 1320, 2340, 2500 and 3335. (3)

**3560. Fluency Disorders** – Usually offered spring semester. Exploration of stuttering theories, etiology, symptomatology, diagnosis, and treatment. Prerequisite: SPTH 1320. (3)

**4010. Language Disorders** – Usually offered spring semester. Study of the nature and causes of language disorders in children and the evaluation and therapeutic procedures used. Five hours of observation required. Prerequisite: SPTH 2730. (3)

**4131, 4132, 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: Senior level status and/or permission of instructor. (1, 2, 3)

**4090. Advanced Phonetics** – Offered as required. Observation and recording of idiolect and dialect. Special emphasis given to dialectolalia. (3)

**4320. Voice Disorders**– Usually offered spring semester. Etiology, physiology, and pathology associated with the acoustic symptoms of the disorder; evaluation and current methods in voice pathology management. Prerequisites: SPTH 1320 and 2340. (3)

**4601P-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. Prerequisites: SPTH 1320, 2310, 2340, 2730, 2760, and 2920. (2-2) **Fall, Spring**

**4601A-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. Prerequisites: SPTH 2340, 3335, and 3525. **(1-2) Fall, Spring**

**4999. Senior Comprehensives – (0)**

## STATISTICS (STAT)

**2010.\* (MATH 1020 – Basic Statistics I) Statistical Methods I** – Usually offered fall and spring semesters. Descriptive statistics, probability and statistical inference. Prerequisite: Completion of all developmental mathematics deficiencies. **(3)**

\*Students may not receive credit for both STAT 2010 (MATH 1020) and ECON 2070.

**2020. (MATH 2040 - Basic Statistics II) Statistical Methods II** – Usually offered spring semester. 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: Grade of "C" or higher in STAT 2010 (or MATH 1020) or ECON 2070. **(3)**

**2150L.(MATH 2150L) Statistics Technology Lab** – Usually offered spring semester. Problem-solving in statistics using appropriate statistical software. Prerequisite: Grade of "C" or higher in STAT 2010 (MATH 1020) or ECON 2070. **(1)**

**3010. (MATH 3010) Biostatistics** – Applications of descriptive and inferential statistics to health science disciplines. Introduction of specialized techniques used in biomedical sciences. Prerequisites: Grade "C" or better in STAT 2020 or MATH 2040 or ECON 2070 or permission of the instructor. **(3)**

**3051. (MATH 3051) Mathematical Probability and Statistics I** – Usually offered fall semester. Introduction to concepts of probability and random variables. Discrete and continuous distribution with applications. Algebra of expectations. Covariance and correlation in two random variables. Corequisite: MATH 2080. **(3)**

**3061. (MATH 3061) Mathematical Probability and Statistics II** – Usually offered spring semester. 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: Grade of "C" or higher in STAT 3051 (or MATH 3051) or permission of instructor. **(3)**

**4201, 4202, 4203. Special Topics** – Topics may vary from semester to semester. May be repeated for credit when the topic changes. Prerequisites: Permission of the instructor. **(1, 2, 3)**

**4511-4521. (MATH 4511-4521) Colloquium** – Usually offered fall and spring semesters. 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. Prerequisites: A grade of "C" or higher in all MATH or STAT required courses at the 2000-level and junior or senior status. 4511 is prerequisite to 4521. **(1-1)**

**4999. Senior Comprehensives – (0)**

## THEOLOGY (THEO)

A PREREQUISITE FOR ALL THEOLOGY COURSES IS THE SUCCESSFUL COMPLETION OF ALL REQUIRED DEVELOPMENTAL READING AND ENGLISH COURSES.

### Introductory Courses

NO STUDENT MAY TAKE MORE THAN ONE OF THESE COURSES TO SATISFY THE CORE CURRICULUM REQUIREMENTS. ALL COURSES ARE WRITING INTENSIVE.

**1100. The Christian Faith** – Introduces the Christian Theological Tradition by presenting the historical, cultural and social contexts for past and contemporary Christian Faith. (3)

**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)

**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)

### Upper-Level Courses

A PREREQUISITE FOR ALL UPPER-LEVEL COURSES IS THE SUCCESSFUL COMPLETION OF A 1000-LEVEL COURSE.

**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)

**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)

**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)

**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)

**2022. Pauline Correspondence**– 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)

**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)

**2100. Comparative Religion** – Examines the relationship of Christianity to one or more of the world's religions. (3)

**2110. Historical Survey of the Catholic Church** – Presents the history of the Church, including the development of various forms and branches of Christianity. (3)

**2120. Catholicism** – Studies the theology, doctrine, ritual and moral principles specific to the Roman Catholic Church. (3)

**2150. African American Christianity** – Explores the meaning and theological implications of African American Christianity. (3)

**2200. (HIST 2200) Religion and Southern Culture**– Examines the historical interaction between religion and culture in the American South from the colonial period to the present, with particular emphasis upon the African American experience. (3)

**2250. (HIST 2250) Religions of the Ancient Near East**– 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)

**2410. Christianity in the Early Period** – Explores the history of Christianity in the first five centuries. (3)

**2420. Christianity in the Medieval Period** – Explores the history of Christianity from Augustine to the Protestant Reformation. (3)

**2440. Christianity in the Modern Period** – Explores the history of Christianity from the Protestant Reformation to the present. (3)

**2500. Moral Theology**– Presents the Catholic tradition of morality with attention to selected moral issues in contemporary society. (3)

**2600. Women in Religion**– Investigates womanist and feminist issues in religion and theology.

**2700. Religion and Theology in North America** – Studies the development of religious and theological issues in North America. (3)

**2800. Perspectives in Contemporary Theology** – Examines contemporary national and international perspectives in theology, and the major theologians who represent them. (3)

**3000. Sacramental Theology** – Investigates the basic principles of sacramental theology in Catholicism and other Christian communities. (3)

**3010S. Seminar**– Seminar on specialized topics in the related fields of theology. (1)

**3012S. Seminar: Research and Presentation Methods in Theology** –A seminar conducted in conjunction with various full-time faculty members to gain practical experience in using the tools and methods appropriate to various Theological specializations. (1)

**3020S. Seminar** – Seminar to prepare for comprehensive exams. (1)

**3030S. Seminar** – Utilizes readings and lectures based on the research of individual faculty members. (3)

**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)

**3080. Theological Understanding of the Catholic Church** – Explores the essential nature of the Catholic Church from a theological perspective. (3)

**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)

**3200. Theological Foundations of Social Justice**– Investigates theological texts that give a basis for justice and its meaning for contemporary society. (3)

**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)

**3370. History of Jewish Thought** – Presents an overview of Jewish historical religious tradition. (3)

**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)

**3800. Environmental Issues in Christian Perspective** – Explores modern and contemporary environmental issues from a Christian theological perspective. (3)

**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)

**4001, 4002, 4003. Directed Readings** – Permission of chairperson. (1, 2, or 3)

**4999. Senior Comprehensives** – (0)

## WRITING (WRIT)

**1050. Introduction to Creative Writing** – This course introduces students to invention techniques, and components of fiction, poetry, and literary non-fiction. It will also teach workshop procedures. (3)

**2050. Poetry Workshop** – In this course, students learn to write 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 Lucille Clifton, Tess Gallagher, and C. K. Williams. Prerequisite: WRIT 1050. (3)

**2060. Fiction Writing** – Students explore different fiction writing elements such as character development, narrative point of view, setting, and plot. They begin to develop their skills at writing, revising and criticizing works of short fiction through their own creative endeavors and daily participation in the workshop. They will begin to develop, or add to their portfolio of works, while extending their familiarity with works of short fiction writers such as Raymond Carver and John Edgar Wideman, Alice Walker, and Eudora Welty. Prerequisite: WRIT 1050. (3)

**2070. Nonfiction Writing** – Students will study and practice writing different forms of literary nonfiction. The course will cover description, scene, summary, point of view, characterization, dialogue and other techniques. Through readings students also will become familiar with the work of contemporary essayists such as James Baldwin, Alice Walker, and Elie Weisel. Prerequisite: WRIT 1050. (3)

**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 language of film. Students will become familiar with contemporary playwrights, screen writers and directors. Prerequisite: WRIT 1050. (3)

**2141, 2143. (ENGL 2141, ENGL 2143) Journal Practicum** – Usually offered fall and spring semesters. Students gain hands-on experience in publishing. No prerequisite. Permission of the instructor required for 3 hours. Course may be repeated for credit. (1,3)

**3060. Special Topics** – Topics might include “Style and Technique in Third World Writing,” “Autobiography,” “Style and Technique in African American Prose and Poetry,” “Poetry and Performance,” “Novel Writing,” “Science Fiction Writing,” “Poetry Translation,” “Literature and Film,” “Oral History,” “Reported Truth vs Literary Truth,” “Biography and Autobiography,” “Letters and Letter-Writing,” and “Nature Writing.” Prerequisite: 2000-level Writing course. (3)

**4050. Seminar** – 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: 2000-level Writing course. **(3)**

**4060. Creative Thesis** – Students will propose a special project which will accumulate into a body of creative work suitable for a portfolio for graduate school applications and in some instances for submission to a publisher. Projects might include writing a collection of poems, stories, or essays. Or a student might work on a novel, family history, play, or screenplay. The student may create a diverse body of work. Work will be evaluated by a committee of faculty members, including a chair responsible for directing the student’s writing endeavors. Prerequisite: 2000-level Writing course and approval of a thesis director and committee. **(3)**

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Ron Bechet	Victor Labat Professor in Fine Arts
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Gary Donaldson	Keller Foundation Professor in American History
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## XAVIER UNIVERSITY ACADEMIC CALENDAR

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

### FALL SEMESTER– 2008

New Faculty Orientation	August 19
Faculty Institute	August 20
Registration	August 21-22
Classes Begin	August 25
Last Day to Add or Change a Course or Section	August 27
Labor Day Holiday	September 1
Mass of the Holy Spirit	September 14
Last Day to Remove an "I"	October 3
Founder's Day Celebration	October 7
Fall Break	October 13-14
Mid-Semester Evaluations Due	October 21
Last Day to Petition a "W" in a Course (Drop a Course)	October 31
Early Registration for Spring Semester	November 3-7
Comprehensive Examinations for Seniors	November 8
Last Day to Officially Withdraw from Xavier	November 14
Thanksgiving Holidays	November 26-28
Last Class Day Before Final Examinations	December 5
Quiet Day	December 6
Final Examinations	December 8-12
Final Grades Due (Noon)	December 16

### SPRING SEMESTER–2009

Faculty Institute	January 7
Registration	January 8-9
Classes Begin	January 12
Last Day to Add or Change a Course or Section	January 14
Martin Luther King, Jr. Holiday	January 19
Last Day to Remove "I"	February 20
Mardi Gras Holidays (Spring Break)	February 23-27
Senior Comprehensive Examinations	March 7
Mid-Semester Evaluations Due	March 10
Last Day to Petition a "W" in a Course (Drop a Course)	March 20
Easter Holidays	April 9-10
Early Registration for Fall Semester	April 13-17
Last Day to Officially Withdraw from Xavier	April 21
Last Class Day Before Final Examinations	April 28
Quiet Day/Senior Grades Due (Noon)	April 29
Final Examinations	April 30 - May 5
ALL Final Grades Due (Noon)	May 7
Baccalaureate	May 8
Commencement	May 9

### SUMMER SESSION – 2009

	<b>First Five-Week Session</b>	<b>Second Five-Week Session</b>
Registration	May 22	June 26
Classes Begin	May 25	June 29
Final Examinations	June 26-27	August 1-2

## XAVIER UNIVERSITY ACADEMIC CALENDAR

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

### FALL SEMESTER– 2009

New Faculty Orientation	August 18
Faculty Institute	August 19
Registration	August 20-21
Classes Begin	August 24
Last Day to Add or Change a Course or Section	August 26
Labor Day -- Holiday	September 7
Mass of the Holy Spirit	September 13
Last Day to Remove an "I"	October 2
Founder's Day Celebration	October 6
Fall Break	October 12-13
Mid-Semester Evaluations Due	October 20
Last Day to Petition a "W" in a Course (Drop a Course)	October 30
Early Registration for Spring Semester	November 2-6
Comprehensive Examinations for Seniors	November 7
Last Day to Officially Withdraw from Xavier	November 13
Thanksgiving Holidays	November 25-27
Last Class Day Before Final Examinations	December 4
Quiet Day	December 5
Final Examinations	December 7-11
Final Grades Due (Noon)	December 15

### SPRING SEMESTER–2010

Faculty Institute	January 6
Registration	January 7-8
Classes Begin	January 11
Last Day to Add or Change a Course or Section	January 13
Martin Luther King, Jr. Holiday	January 18
Mardi Gras Holidays	February 15–16
Last Day to Remove "I"	February 19
Mid-Semester Evaluations Due	March 2
Comprehensive Examinations for Seniors	March 6
Last Day to Petition a "W" in a Course (Drop a Course)	March 19
Easter Holidays	March 29 – April 2
Early Registration for Fall Semester	April 12-16
Last Day to Officially Withdraw from Xavier	April 16
Last Class Day Before Final Examinations	April 27
Quiet Day/Senior Grades Due (Noon)	April 28
Final Examinations	April 29 - May 4
ALL Final Grades Due (Noon)	May 6
Baccalaureate	May 7
Commencement	May 8

### SUMMER SESSION – 2010

	<b>First Five-Week Session</b>	<b>Second Five-Week Session</b>
Registration	May 21	June 25
Classes Begin	May 24	June 28
Final Examinations	June 25-26	July 31 - August 1

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