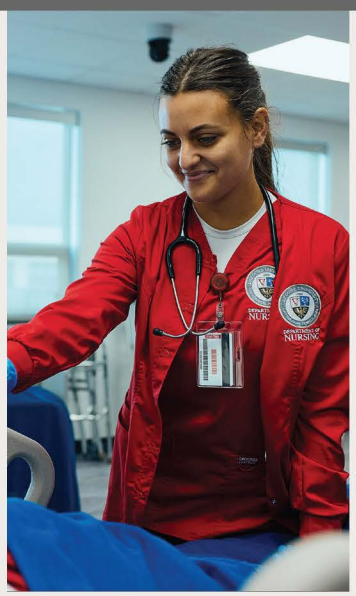
LRU

LA ROCHE UNIVERSITY

COURSE CATALOG

2026 - 2027



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La Roche University Mission and Goals

Mission Statement

La Roche University, a Catholic institution of higher learning, founded and sponsored by the Congregation of the Sisters of Divine Providence, fosters global citizenship and creates a community of scholars from the region, the nation and around the world. The University integrates liberal arts and professional education in creative ways, empowering all members of our community to become lifelong learners, achieve success in their chosen careers and promote justice and peace in a constantly changing global society.

Goals

Quality Education

La Roche University offers its students a high value education which balances the reality of career preparation with the essentials of a classical liberal arts curriculum. The curriculum is characterized by a strong global perspective, interdisciplinary courses, and signature undergraduate and graduate professional programs. The faculty is diverse and possesses both academic and professional credentials. In keeping with the global compass of its mission, the University recruits students from both its traditional home base in western Pennsylvania, numerous other states, and many foreign countries. The University strives to enroll academically superior students of diverse religious, ethnic, racial, and socioeconomic backgrounds and ensures that students with lesser preparation are furnished the assistance they need to enable them to achieve academic and career success.

La Roche University has an academic culture that emphasizes outcomes-based assessment of student achievement. The moral component of education is emphasized and an understanding of the Catholic tradition and other religious traditions is available to those students who wish to explore their faith in an academic environment.

Mission and Identity

La Roche offers high-quality educational opportunities that reflect its Catholic heritage and the mission of its founding and sponsoring congregation, the Congregation of Divine Providence, to "co-create a world of compassion, justice and peace." That commitment to peace and justice permeates all aspects of the University - spiritual, academic, social, intercultural, and community service. That commitment is reflected in the University's global focus, which provides the entire La Roche community with the opportunity to reach across the political, cultural, and economic divides and work toward becoming a true global community.

Student Success

The success of our students is of paramount importance in all that we do at the University. We are committed to providing a learning environment which is conducive to academic achievement, enhanced by an overall campus environment that contributes to the mental, physical, spiritual and emotional development of our students. All this is accomplished not only through the provision of appropriate resources, but also through the example and caring interaction of the faculty, staff and administration, both inside and outside of the classroom.

The University's mission embodies the key elements of student success. One is the ability of students to become accomplished practitioners in their chosen fields who are imbued with a lifelong thirst for knowledge. Another is the ability for students to truly view themselves as citizens of a global society. Finally, student success is seen in the women and men of all ages, faiths, nationalities and backgrounds who, after their time at the University, go forth into the world suffused with a desire to promote peace and justice wherever they go, and who, in so doing, continue to demonstrate that La Roche University is preparing students who truly are the best for the world.

Stewardship of Resources

Adequate resources are vital to the success of La Roche University. We are committed to utilization of available resources in a manner that achieves maximum effectiveness

Admissions Requirements

Admission

La Roche University invites applications from students whose personal and academic records reveal maturity and educational achievement. The academic background of each applicant is carefully reviewed to determine if he or she will succeed at the University.

La Roche considers applications under the “rolling” admissions system; therefore, applications are viewed once all of the necessary information is received. In most cases, applicants will be informed of the admissions decision shortly after the decision has been made. Admission is granted to qualified applicants without regard to race, religion, creed, national or ethnic origin, age, sex, marital status, or disability. The student is responsible for providing accurate and current information. The applications should be updated if circumstances change. If falsification, misrepresentation, or omission occur, admission may be revoked.

La Roche seeks a diverse student body, enrolling students of different backgrounds, interests, and talents. While a large number of La Roche students come from Pennsylvania, the University enrolls students from a wide geographic range, including many foreign countries. Any student interested in La Roche but hesitant to apply because of financial need is encouraged to carefully read the financial aid section of this catalogue.

Application Deadlines
You can apply at any time, but you’ll want to follow the deadlines below to receive the best options for financial aid and housing.

- Fall Semester Deadline: Nov. 1
- Spring Semester Deadline: Dec. 15

Academic Policies and Regulations

Disclaimer

This publication is not to be viewed as an irrevocable contract between the University and the student and is subject to change consistent with policies of the Board of Trustees. The University reserves the right to repeal, change, amend, modify, add, withdraw the contents herein, without notice of obligation.

Academic Standing Classification of Students

At the end of each semester the Registrar classifies **undergraduate students** according to the number of credit hours they have completed:

- A freshman is one who has completed fewer than 30 credits.
- A sophomore is one who has completed between 30 and 59 credits.
- A junior is one who has completed between 60 and 89 credits
- A senior is one who has completed 90 credits or more.
- A full-time student is one who is registered for 12 or more credit hours in a regular semester; 9 credits in the summer.
- A part-time student is one who is carrying less than 12 credit hours in a regular semester; less than 9 credits in the summer.
- A matriculated student is one who has satisfied all admission requirements for a degree program and is taking courses leading to a degree.
- A special student is one who is not pursuing a degree or certificate program at La Roche University. All special students are required to register each term through the Graduate Studies and Adult Education Office.

For **graduate students** classification is as follows:

- A full-time student is one who is registered for 6 or more credits in a regular semester; 3 credits in the summer
- A part-time student is one who is carrying less than 6 credits in a regular semester.

Dean's List

Each semester those full-time undergraduate students, pursuing a baccalaureate or associate degree, with 12 graded credits or more, who have earned a term GPA of 3.500 or higher are placed on the dean's honor list. Part-time students who have accumulated 12 credits in consecutive semesters in an academic year, including summer, and have earned a GPA of 3.500 or higher are placed on the dean's honor list.

Good Academic Standing

Undergraduate students are in good academic standing at the University when their cumulative and semester grade point averages (GPAs) are 2.000 or above.

Not in Good Academic Standing

Undergraduate students are not in good academic standing at the University when their cumulative and/or semester grade point averages (GPAs) are below 2.00. Students who are not in good academic standing may be subject to one of the following four categories of action: 1) Academic Warning; 2) Academic Probation; 3) Academic Suspension; or 4) Academic Dismissal.

Academic Warning

Any student whose cumulative grade point average (GPA) is 2.00 or above but whose semester GPA is below 2.00 will be placed on academic warning for the subsequent semester.

Academic Probation

Any student whose cumulative grade point average (GPA) falls below 2.00 **or** who is already on academic warning will be placed on academic probation for the subsequent semester of enrollment.

Any student placed on academic probation may be required to work with a designated academic success advisor on strategies to enhance academic performance.

Academic Suspension

Any student whose semester grade point average (GPA) falls below 2.00 **and** who is currently on academic probation, **or** any student who is on probation for two consecutive semesters will be immediately suspended from the University for the subsequent spring or fall semester.

Students who have been suspended may appeal the suspension (see Appeal Policy and Procedure below). Students who are suspended will be assigned an academic success advisor with whom they will work to accomplish the prescribed strategies necessary for reinstatement. Reinstatement of any student who has been suspended will be at the discretion of the Academic Standing Appeal Committee, in consultation with all necessary university constituents, based on consideration of the student's written appeal.

Students immediately reinstated from suspension will remain on academic probation during the semester of their reinstatement and will be required to comply with an academic success plan set

forth by the Center for Academic Success and Achievement. Students will be informed, in writing, prior to the beginning of the semester of the Academic Standing Appeal Committee's decision, and the terms with which the students must comply.

Students who have served a suspension and wish to return to the University must write a letter to the Dean of Academic Success and Achievement requesting reinstatement. The letter should include the following:

- An accounting of what the student has done while suspended
- Notification of courses taken elsewhere (official transcripts from other institutions will be required if there are any transferable credits)
- An academic plan including whether or not the student wishes to change their major and what they plan to do differently to achieve academic success

Academic Dismissal

Students will be dismissed from the University if they fail to make progress after reinstatement to the University following a suspension. Dismissals are recommended by the Academic Standing Appeal Committee to the Provost and Dean of the Faculty. Students who have been dismissed may appeal the dismissal (see Appeal Policy and Procedure below). Reinstatement of any student who has been dismissed will be at the discretion of the Provost and Dean of the Faculty in consultation with the Academic Standing Appeal Committee and all necessary University constituents, based on consideration of the student's written appeal for reinstatement. Students reinstated from dismissal may have to serve a semester of suspension or remain on academic probation during the semester of their reinstatement if permitted to return. Returning students will be required to comply with an academic success plan set forth by the Center for Academic Success and Achievement. Students will be informed, in writing, prior to the beginning of the semester of the Academic Standing Appeal Board's decision, and the terms with which the students must comply.

Appeal Policy and Procedure

Students may appeal an academic suspension or academic dismissal by submitting a letter to the Dean of Academic Success and Achievement within ten business days of the date of the suspension or dismissal letter. The deadline for appeals will be specified in each letter sent to the student. The written appeal should fully describe the student's reason for poor academic performance, others who might be aware of the situation, and specific steps they plan to take toward improvement. Once received and considered by the Academic Standing Appeal Committee, the appeal decision will be communicated in writing to the student by La Roche University email.

The following areas comprise the Academic Standing Appeal Committee:

- Dean of Academic Success and Achievement
- Representative from the Office of the Registrar
- Representative from the Center for Academic Success and Achievement
- Representative from the Student Life Division
- Faculty Representative from the Academic Standards & Honors Committee

Students who wish to return to the University after serving their suspension may appeal by submitting a letter to the Dean of Academic Success and Achievement requesting reinstatement and specifying the semester they wish to return. The written appeal should fully describe what the student has done while suspended and specific steps they plan to take toward improvement. Once received and considered by the appropriate parties, the appeal to return from suspension decision will be communicated in writing to the student by La Roche University email. Students who return from suspension will be assigned an academic success advisor with whom they will work to accomplish the prescribed strategies necessary for improvement. Official transcripts will be required if a student attended another university while on suspension and earned transferable credits.

Athletic Eligibility

La Roche University recognizes that the development of students is not solely one of academic growth and that other activities contribute to the achievement of the goals set by the University in carrying out its mission with students.

Participation in varsity sports serves as an important function for participating students and also serves as a method of public relations, recruitment of students, visibility for the University and retention of students.

It is understood that academic growth of students has the highest priority. It is also understood that the University's membership in intercollegiate conferences or associations requires commitment to certain standards shared with other member schools.

To show concern for and to assure that academic growth is not impeded by participation in varsity athletics, certain restrictions are placed on student participation. These restrictions are intended for the student's guidance and assistance just as restrictions on students in general are imposed when academic growth is not satisfactory.

Policy

No student will be permitted to participate in an intercollegiate sports program during the time that the student is ineligible according to the standards of the National Collegiate Athletic Association (NCAA) and La Roche University.

Athletic academic eligibility is defined as having a cumulative GPA of 1.800 in the student's first year (first two semesters) at La Roche University. Students must receive a cumulative GPA of 2.000 in the completion of the following six semesters. If a first year student earns a semester GPA of more than 1.500, but less than 1.800 in the first semester of attendance, that student may participate during the second semester under the following conditions:

1. The student, the academic advisor, the athletic director, and the coach agree to the participation.
2. The student carries no more than 12-13 credits in the semester.
3. A written contract is agreed to by the player, the academic advisor, and the coach, whereby the student adheres to a specific plan of study including regular involvement with the Academic Enrichment Center, tutoring if deemed advisable and continual reports and checks with instructors.
4. The contract so established will be filed with the athletic director prior to the first game of the new semester. Any student who is in his/her third through eighth semester and receives a semester GPA below 2.000 while still maintaining a cumulative GPA of 2.000 or above is athletically eligible to participate in intercollegiate athletics. In any case when a student-athlete is brought to the Academic Standards Review Board at La Roche University and the review board, in coordination with the athletic department, finds that it is in the student's best academic interest not to participate in an intercollegiate sport for a particular semester; that recommendation will be upheld to meet La Roche University's academic standards. Thus, a student who is academically eligible by the NCAA standards must comply with the more stringent standards of La Roche University, if applicable.

Biometric Signature Usage Policy

Purpose: As required by Middle States Commission on Higher Education, to verify compliance with Federal Regulations requiring that institutions have effective procedures in place to ensure that the students who register in a distance or correspondence education course are the same students who participate in and complete the course, and receive the academic credit (34 CFR 602.17 (g)).

This policy is intended to reflect La Roche University's commitment to the principles, goals, and ideal described in the University's Mission Statement.

Revision History: New

Persons Affected: Faculty and students

Policy: A new federal policy to verify the identity of online students has been put into place by the U.S. Department of Education. In response to this policy, La Roche University is requiring that all students enrolled in courses where all or part of the graded activity is delivered online, to verify their identity with the student authentication system, Biometric Signature ID.

Biometric Signature ID, through their gesture biometrics technology, will ensure that La Roche University maintains the highest level of academic integrity in online learning.

Faculty teaching only face-to-face classes, with no online component, are not required to use BioSig-ID. However, if they use the LMS (Canvas) as a supplemental classroom aid to allow students to submit assignments through the site, then the student identity verification through BioSig-ID will be required.

Every course syllabus should include the following paragraph:

Biometric Signature ID: Online courses at La Roche University require students to participate in a new security system. This new software system is used to verify a student's ID using just your mouse, touchpad, stylus, or touch screen, and all courses which require taking an exam, quiz and/or any gradable assignment online will require student verification. No special hardware or software downloads are necessary. This identification technology is from a company called Biometric Signature ID (BSI). Verifying student identification is a new mandate from the federal government with which our institution needs to comply. Instructions to enroll can be found on the intranet in the Online Student Services page.

This new software system enables a student to easily verify their identity using a mouse, stylus, touchpad or touch screen and does not require any special hardware or software.

- Students will register and enroll ONE TIME ONLY to create a password in the first course of the session.
- This same password will be used for all courses to access gradable events.
- Students will be required to watch a short instructional video to understand "HOW" to use the gesture biometric technology.
- Faculty will place the instructional video as a link with introductory remarks and as an assignment. https://intranet.laroche.edu/OL/bio-sig.cfm

- During the first contact into the course, and after viewing the video, the student will register and enroll using the link provided.

Procedures:

1. At the beginning of each semester, the student establishes a “password” using BioSig-ID in the first course in which they receive a BioSig-ID assignment. Returning students simply verify their identity using their existing password.
2. It is strongly suggested that faculty create an assignment (gradable event) where the students must authenticate their identity as suggested for any gradable event such as a test or assignment that is turned in remotely via Canvas.
3. The more times a student uses BioSig-ID, the more valid the authentication becomes and the less likely the student is to forget his or her BioSig-ID password.

Definitions:

1. Biometric Signature ID – BioSig-ID
2. Learning Management System (LMS) - La Roche uses Canvas as their learning management system.
3. Online course – Asynchronous online instruction delivered to a group of students or an individual student, without any face-to-face meeting requirement.
4. Online hybrid course – Blended classes with some face-to-face component, but where 51% to 99% of the direct instruction is online.
5. On-campus course is delivered face-to-face, including those that use web-based technology to facilitate what is essentially a face-to-face course. This includes the use of Canvas to post syllabus and assignments. An on-campus course requires less than 50% of that course to be offered online.

Authority: The Vice President for Academic Affairs and Academic Dean delegates the authority to implement and oversee this policy to the Online Learning and Faculty Support & Technology Coordinator.

Continuous renewal: This policy will be reviewed two years from its effective date to determine its effectiveness and appropriateness; or sooner to reflect substantive change.

Confidentiality of Student Records

Notification of Rights Under the Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. La Roche University respects the rights of all students and fully complies with FERPA. These rights are:

- **The right to inspect and review the student's education records within 15 days of the day the University receives a request for access.** Students should submit written requests identifying record(s) they wish to inspect to the Registrar. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained in the Registrar's Office, the student will be directed to the appropriate University administrator.
- **The right to request amendment of the student's education record.** Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write to the University administrator responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the administrator makes the decision not to amend the record as requested by the student, the student will be notified and advised of his or her right to a hearing.
- **The right to consent to disclosures of personally identifiable information** contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
- A school official is a person employed by the University in an administrative, supervisory, academic, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee such as disciplinary or grievance or assisting another school official in performing his or her tasks (work study).

The right to file a complaint with the U.S. Department of Education concerning alleged failures by La Roche University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-4605

In accordance with FERPA, La Roche University has designated the following information as "directory information," which may be made available upon request without the student's written permission:

- Student's name, address and phone number

- Date and place of birth
- Major field of study
- Participation in officially recognized activities or sports
- Weight, height and physical condition of members of athletic teams
- Dates of attendance
- Degrees and awards received, including Dean's List (not GPA)
- Student's photograph
- Most recent previous education agency or institution attended

This information may be routinely made public by the University unless the student informs the Registrar (ZCC204) in writing that any or all of the information designated should not be released without the student's prior consent.

Course Level/Course Numbering

Course numbering serves to identify the course, the course level, and its sponsoring department (based on subject area). To facilitate the transfer of courses to and from La Roche University, clear definitions of lower-level and upper-level courses are required. Although the content of various academic disciplines differ, lower and upper-level courses can generally be distinguished by the prerequisite knowledge required and the relative academic challenge of the course.

Lower-Level – Courses numbered 1000- to 2999

The primary intent of lower-division coursework is to provide students with general education, to expose students to the breadth of different fields of study, and to provide a foundation for specialized upper-level coursework. They are courses that may be counted in majors, minors, and electives at the basic level in baccalaureate programs.

Lower-level courses generally focus on foundational theories, concepts, perspectives, principles, methods, and procedures of critical thinking. Although lower-level courses sometimes serve as prerequisites for upper-level courses, they are not always stepping-stones to more advanced study. Rather, they may be ends in themselves, providing breadth, enrichment, or general knowledge.

Lower-level courses have one or more of the following characteristics:

- They acquaint students with the breadth of (inter) disciplinary fields in the arts, humanities, social sciences, and natural sciences, and to the historical and contemporary theories and practices of professional fields.
- They introduce essential skills of literacy (e.g., information gathering, reading, and writing), language, (e.g., oral communication and language and culture other than English), science, and mathematical competence, to prepare for continuing work in any discipline.
- They lay the foundation for upper-division coursework and to begin development of analytical thinking and theoretical application.
  These courses are designed for freshmen and sophomores, but may be taken by others. Community College courses may be comparable.

Upper-Level Courses – Courses numbered 3000 – 4999

Upper-level courses are specialized, in-depth, advanced, and emphasize problem-solving, analytical thinking skills, and theoretical applications. These courses often build on the foundation provided by the skills and knowledge of lower-level courses. Upper-level courses may require the student to synthesize topics from a variety of sources and may also require greater responsibility, or independence on the part of the student.

Upper-level courses have one or more of the following characteristics:

- Depth/Focus: students make in-depth study of a discipline's theories and methods, developing an understanding of the applications and limitations of those theories.
- Specialization: students develop specific intellectual and professional abilities that will enable them to succeed or progress in a particular field or professional practice.
- Refinement: students build upon the "general education" background noted above, applying these skills more discerningly or in more challenging contexts.
- Preparation: prerequisites may include more general courses, student classification, GPA requirements, or admission to a pre-professional program. Thus, majors and minors generally take upper-level courses in their junior and senior years. Capstone or Integrative Inquiry courses, though not necessarily specialized or focused on in-depth study of one discipline, have an integrative function. Because one of the primary goals of these courses is to integrate knowledge gained from earlier studies, these are offered at the upper-level and limited to juniors and seniors or, in some cases, seniors only. These courses are designed for juniors and seniors, but may be taken by others. Community College courses may or may not be comparable.

Graduate Level – Courses Numbered 5000- and above

Courses numbered at the 5000- and 6000-level are graduate courses. Typically, graduate courses are restricted to students who have successfully completed a baccalaureate degree. At La Roche, 7000-level courses are at the doctorial level.

The primary function of graduate courses is to broaden the perspective and deepen the knowledge students have of a particular discipline or professional field of study, or to provide students with preparation in an advanced professional field that requires foundational knowledge and experience in a related discipline or field of study. Courses at this level are also used for post-baccalaureate certificate and certification programs.

Graduate courses are structured in a manner that allows for a variety of approaches to the subject matter, a wide range of source material, considerable student interaction, and a significant emphasis on independent study and/or research. They are designed to extend the knowledge and intellectual maturity of students beyond the baccalaureate level. They are intended for students who are capable of analyzing, exploring, questioning, evaluating, and synthesizing knowledge.

Reserved Course Numbers:

LRUXXXXX La Roche Experience CORE
INQU3XXX Interdisciplinary Inquiry CORE
ACADX100 Acadeum Online Course Sharing Consortium Courses (1,000-5,000)
XXXX4050 Special Topics and Experimental Courses offered one-time only
XXXX4051/4052 Internships
XXXX4055 Capstone/Senior Seminar
XXXX4057 Independent Study
XXXX4097 Directed Study
XXXX4056 Directed Research
XXXX6051 Graduate-level Internship
XXXXXXXXH Honors Courses available to Honors Institute members and students with GPA 3.5 and above
SASUXXXX Study Abroad/Study USA
XRXX1000 Cross-Registered (Where XX = Host Institution)

Credit Hour Policy

Federal Regulations

The credit hour is defined by the U.S. Department of Education as a basic institutional measure of the level of instruction and academic rigor that establishes eligibility for federal funding.1 Both within and between institutions, consistency in credit hour determinations has implications for the transferability of credit and for demonstrating that all courses and programs—regardless of teaching and learning formats or delivery mode—are of sufficient academic rigor, content, and depth.

The U.S. Department of Education defines "credit hour" as:

"…An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or,
2. at least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours."

The Carnegie unit, represented in point (1) above, has served as the traditional unit of measure, but the Department also recognizes that institutions are developing other measures of educational content and credit equivalency.

The Middle States Commission on Higher Education, in its Credit Hour Policy, effective August 23, 2013, requires institutions to verify compliance with Credit Hour regulations.

The Middle States Commission on Higher Education provides guidelines to remind institutions of their responsibility to meet all Federal, state, and other relevant policies, regulations, and requirements governing credit hours.

U.S. Department of Education Office of Post-Secondary Education, "Guidance to Institutions and Accrediting Agencies Regarding a Credit Hour as Defined in the Final Regulations Published on October 29, 2010."

Credit Hour Definition for Online Courses

Although government agencies set reasonable and suitable expectations for time spent earning credits, the Middle States Commission on Higher Education "considers assessment evidence to be the most compelling evidence that an institution's academic offerings are of appropriate academic content, breadth, length, and rigor."

In accordance with the U.S. Department of Education, in any seven-day period, a student is expected to be academically engaged through, for example, classroom attendance, examinations, practica, laboratory work, internships, and supervised studio work. In the case of distance education and correspondence education, academic engagement would include, but not be limited to, submitting an academic assignment; taking an exam, an interactive tutorial, or computer-assisted instruction; attending a study group that was assigned by the institution; contributing to an academic online discussion; and initiating contact with a faculty member to ask a question about the academic subject studied in the course. Merely logging into the electronic classroom does not constitute academic engagement. Source: U.S. Department of Education CH-A5, 2.22.2013.

http://www2.ed.gov/policy/highered/reg/hearulemaking/2009/credit.html

Policy:

La Roche University assigns credit hours in ways that are consistent with U.S. Department of Education credit hour regulations by adopting the "credit hour" as the unit measure of instruction for awarding credit, based on the Carnegie Unit system:

Semester Hours Awarded	Required Direct Instruction "Seat Time"	Required Out-of-Class "Homework"
1	15	30
2	30	60
3	45	90
4	60	120
5	75	150

- One lecture (taught) or seminar (discussion) credit hour represents 1 hour per week of scheduled class/seminar time and 2 hours of student preparation time. Most lecture and seminar courses are awarded 3 credit hours. Over an entire semester, this formula represents at least 45 hours of class time and 90 hours of student preparation.
- One laboratory credit hour represents 1 hour per week of lecture or discussion time plus 1-2 hours per week of scheduled supervised or independent laboratory work, and 2 hours of student preparation time. Most laboratory courses are awarded up to 4 credit hours. This calculation represents at least 45 hours of class time, between 45 and 90 hours of laboratory time, and 90 hours of student preparation per semester.
- One practice credit hour (supervised clinical rounds, visual or performing art studio, supervised student teaching, fieldwork, etc.) represents 3-4 hours per week of supervised and /or independent practice. This in turn represents between 45 and 60 hours of work per semester. Blocks of 3 practice credit hours, which equate to a studio or practice course, represent between 135 and 180 total hours of academic work per semester.
- One independent study (thesis or dissertation research) hour is calculated similarly to practice credit hours.
- Internship or apprenticeship credit hours are determined by negotiation between the supervising faculty and the work supervisor at the cooperating site, both of whom must judge and certify different aspects of the student's work. The credit formula is similar to that for practice credit.

La Roche Class Meeting Times in Hours - 3 Credit Courses

Hours	8-Week Session		16-Week Session	
		N/A	1 day per week	2 days per week
# Class Meeting per semester per 3-credit course	8		15	30
Hours per class meeting time	4		3	1.5
Total Hours	32**			45

**Accelerated Courses must meet the same semester credit hours as traditional semester-length classes. Within the shortened time frame, accelerated classes must supplement face-to-face contact with the one or more of the following:

- Lecture/discussion/chat sessions delivered synchronously directly by the instructor via Canvas, Skype, etc.
- Required and faculty-involved asynchronous interaction via discussion boards, blogs, wikis, other appropriate social media, etc. in Canvas or other means.
- Proctored tests/exams or student evaluation tasks delivered through Canvas.
- Assignments (reading, writing, video, experiential/field work, service learning, laboratory work, studio work, supervised or independent practice, etc.) that exceed assignments required for a face- to-face course.

Departments must document, through their course syllabi, how accelerated courses will meet the minimum semester credit hour requirement.Faculty will complete a Credit Hour Compliance form and submit to the department secretary along with corresponding course syllabus prior to each semester the course is taught.

Online Courses

In accordance with Middle States recognition of assessment evidence as the most compelling evidence for measuring level of instruction and academic rigor, all online courses must be designed to include the content and meet the outcomes and level of rigor that would be expected to be covered in a course that meets face-to-face according to the La Roche Credit Hour Policy. Faculty will complete a Credit Hour Compliance form and submit to the department secretary along with corresponding course syllabus prior to each semester the course is taught.

Regular Review

Department Chairs are responsible for conducting a regular review of courses within their departments to ensure that all courses are in compliance with the credit-hour policy. This review is conducted across all schools, disciplines, and course levels, and modes of instruction.

The Core and Curriculum Committees of the Senate review and approve all new courses, according to procedures established and published in the Faculty Handbook.

An annual review by Department Chairs ensures that courses continue to meet the established student learning outcomes, with the results documented in the online assessment tool.

Registrar to regularly audit the semester schedules to ensure that on-campus classes comply with established credit-hour requirements.

Definitions

Academic Rigor

Teaching, learning, and assessment which promotes student growth in knowledge of the discipline and the ability to analyze, synthesize, and

critically evaluate the content under study.

Asynchronous

A student-centered teaching method that uses online learning resources to facilitate information sharing outside the constraints of time and place among a network of people.

Web-Facilitated

Course that uses Web-based technology to supplement what is essentially a face-to-face course.

Course Methods

La Roche University has adopted the following course method definitions:

Terms	Definitions
In Classroom:	*Note: For Financial Aid purposes, PHEAA defines classroom instruction to include faculty instruction within a laboratory, shop or hospital clinical setting." to exclude "…videotaped courses used in the home setting, correspondence courses, or on-line courses." PHEAA considers hybrid courses as distance learning courses. Source: PHEAA Distance Education Supplement 2012-2013.*
Lecture	Courses delivered face-to-face, including those that use web-based technology to supplement what is essentially a face-to-face course. This includes the use of Canvas to post syllabus and assignments.
Lab	Students carry out experiments requiring special laboratory equipment and facilities.
Studio	Students develop technical or creative skills such as painting, music, drama, or design.
Clinical/Student Teaching	Students develop professional skills by actual practice involving patients or students. Typically conducted at approved off-site locations
IndependentStudy/ Directed Study/Directed Research	A course of study with predefined objectives where the student works with a faculty member to decide how the student is going to meet those objectives. The student and faculty member agree on what the student will do (e.g., required readings, research, and work products), how the student's work will be evaluated, and on what the relative timeframe for completion of the work will be. The student must interact with the faculty member on a regular and substantive basis to assure progress within the course or program. *Source:* 34 CFR 668.10
Internship	Determined by negotiation between the supervising faculty and the work supervisor at the cooperating site, both of whom must judge and certify different aspects of the student's work. *Source:* USNEI. Typically conducted off- site.
Online:	*Note: For financial aid purposes PHEAA defines online courses as those where 51% or more of the class delivered online.*
Online	Asynchronous online instruction delivered to a group of students or an individual student where **100% of the class** is conducted online.
Online Hybrid	Blended classes with some face-to-face component, **where 51 to 99%**of the class is conducted online.

Degree Requirements

To qualify for a degree from La Roche, a student must:

1. Complete the core curriculum (see Core Curriculum).
2. Successfully earn a minimum of 120-136 unique credits and fulfill the residency requirement (must complete the last 30 credits at La Roche).
3. Select a major and complete the program of studies that meets the divisional requirements and the approval of his/her advisor.
4. Achieve a cumulative grade point average (GPA) of 2.000 or "C" and GPA of all courses required to complete the major except those majors where more than a 2.000 is required. In those instances, students must achieve the major GPA as stated in the University catalog.
5. Students must file an online application for graduation by the deadline published in the academic calendar. A graduation fee is payable at that time.

Experiential Education Programs: (Credit for Life; Directed Study; Directed Research; Independent Study; Internship)

Credit For Life Experience

Credit for life experience may be earned for learning gained prior to enrollment at La Roche University. To earn credit for life experience, learning must relate directly to a course offered by La Roche and appear in the catalogue, with the exception of courses listed as internship, independent study or directed research. The total number of credits awarded for life experience may not exceed 30 and may not be included in the last 30 credits required for residency. Each division determines the number of credits awarded for life experience to be counted toward a major. Students should contact their advisor or the Registrar for a description of each program, restrictions and procedures.

Directed Study

A Directed Study offers students the opportunity to study individually with a faculty member, on a contractual basis, to substitute for a course that is needed for the student's program of study, but is not available in a particular semester. The Directed Study must provide a rigorous academic experience equivalent to that of any undergraduate course, and all student learning outcomes for the course must be met.

Students will be expected to meet with faculty as agreed upon in the Directed Study proposal. The amount of supervision will be determined by the faculty member and included on the Directed Study form. The student must also complete independent work time commensurate with in- class courses, where 45 hours of learning activities are required for every one credit earned. (135 hours for a three-credit course.) Students must document their hours on the Directed Study Time Sheet.

Students wishing to complete a Directed Study must have a GPA of 2.5 or higher, and may complete up to six credits of Directed Study during their tenure at La Roche. Exceptions for graduating seniors will be made with the approval of the Vice President of Academic Affairs.

Directed Research

Directed research involves the student in the research process by actually engaging in research under the supervision of a full-time faculty member in a related discipline. The purpose of a Directed research project is to explore a theoretical or experimental research problem, the goal of which is a substantive paper or written report containing significant analysis and interpretation.

Directed Research is not a replacement for an existing course, but requires greater direct supervision by a faculty member than an independent study. The amount of supervision will be determined by the faculty member and included on the Directed Research form.

In accordance with the University's Credit Hour Policy, students must complete work time commensurate with laboratory courses, where between 45 to 90 hours of learning activities are required for every one credit earned. (135 to 180 hours for a three-credit course.) Students must document their hours on the Directed Research Time Sheet.

Directed Research is limited to 2-4 credits per semester for upper class students in an academic major which establishes the prerequisites.
Students may take up to a total of 8 credits of directed research during their tenure at La Roche.

Students must register for a Directed Research by the end of the established add/drop period for the semester or session.

Independent Study

Independent study is an in-depth examination of a particular topic, on a contractual basis and under the limited supervision of a full-time faculty member in a related discipline. Independent study is not a substitute for a formal course, but provides the student with the opportunity to pursue a subject in more depth and in a more independent manner than is possible in a traditional course. Students are responsible for developing their own proposal, following through with assignments and working independently. The amount of supervision will be determined by the faculty member and included on the Directed Research form.

Student initiated proposals, including rationale and goals, must be submitted via the Independent Study Form and approved by the faculty member, the student's advisor and the department chair.

In accordance with the University's Credit hour policy, students must complete independent work time commensurate with in-class courses, where 45 hours of learning activities are required for every one credit earned. (135 hours for a three-credit course.) Students must document their hours on the Independent Study Time Sheet.

Students wishing to complete an independent study must have a GPA of 2.5 or higher. Students may take up a total of 6 credits of independent study during their tenure at La Roche.

Students must register for an Independent Study by the end of the established add/drop period for the semester or session.

Internship

An internship is completed in an area related to a student's major. One to twelve (1-12) internship credits may be earned over the

course of a student's time at La Roche University. Internship credits are limited to no more than 6 credits per semester. While students may complete multiple internships at the same company, if appropriate, the student may not earn more than 6 credits in one internship experience. Each "internship experience" is defined by the responsibilities, duties, and learning objectives of the position. Students may apply for an internship once they have earned 30 credits. Students must be in good academic standing to begin an internship. Good academic standing is defined as having both a semester and cumulative GPA of 2.0 or higher.

Internships may begin when a student has completed a minimum of 45 credits. Individual academic departments may have more restrictive guidelines/requirements/grading policies than those printed here.

If an internship is being done for academic credit, the online internship application process must be completed, including all approvals, prior to the registration deadline of the given semester/session. Internship paperwork may not be backdated to a previous semester or saved to be added in a future semester.

Internship credits to be earned must be determined at the point of registration for the internship and not while it is in progress or once completed. Additional credits cannot be added retroactively should the student work in excess of the required number of hours (see chart below).

Students may not do an internship at their place of regular employment unless the internship experience is in a different department/capacity than their regular job.

All expenses incurred during an internship are the responsibility of the student. There is no guarantee that a student will be paid or will earn a stipend for an internship. If a student opts to do an internship for credit, the internship is billed to the student's account as is any other academic course taken at La Roche University.

The La Roche University faculty supervisor will generally be a full-time faculty member from the student's major department area. If a full- time faculty member from the academic area is unavailable to be a supervisor, the department chair may designate another qualified supervisor.

It is the responsibility of the student and the faculty supervisor, in conjunction with the internship-site supervisor, to set the parameters of the internship in order to ensure that all requirements are met and that all parties agree to the terms of the internship contract. For each credit, the student must document a minimum of 45 hours of work between the internship site and related academic assignments such as a journal, paper, research project, or presentation. Of the 45 hours per credit, experiential learning must comprise a minimum of 30 hours. The exact proportion of time spent in the field and on related academic work is determined by the faculty supervisor.

All paperwork must be submitted to the faculty supervisor at the end of the internship in order for a grade and credit to be granted. This includes the timesheet, final-hours documentation, and both the employer and student evaluations.

A single internship may be taken for one to six (1-6) credits. The breakdown of credits and required hours is as follows:

Credit Total Hours Required Approximate Hrs/Wk*

Credit Amount	Total Hours	Hours Per Week
1	45	3
2	90	6
3	135	9
4	180	12
5	225	15
6	270	18

*Approximate hours per week are based on a 15-week semester

Grading System

The University awards the following grades and assigns quality points on a 4-point per credit scale:

Grade	Points Per Credit	Quality Description
A	4.000	Superior
A-	3.700	Outstanding
B+	3.300	
B	3.000	
B-	2.700	
C+	2.300	
C	2.000	Average
C-	1.700	
D+	1.300	
D	1.000	
D-	0.700	Minimal Passing
F	0	Failure
X	0	Incomplete
W	0	Withdrawal
P+	0	High Pass (equivalent to C or better)
P	0	Pass (equivalent to C- to D-)
NC	0	No Credit
AU	0	Audit

Grade	Points Per Credit	Quality Description
IP	0	In Progress
NR	0	Not Received
T	0	Transfer Credit

Midterm Grade Policy

Midterm grades are required for all undergraduate students in full-semester courses both fall and spring semesters; with the exception of internships, independent studies, clinicals, and student teaching.

Midterm grades are required for labs and directed study and directed research courses.

Incomplete Grade Policy

In exceptional cases, a student may be granted an incomplete grade ("X") for a course. Incomplete grades are intended for students who, based on extenuating circumstances, need additional time to complete tests or assignments. To be eligible, the student must have completed at least 50% of the required coursework. Attending the class in the following semester without registering is not an option for completing an incomplete.

The student must submit an online “Incomplete Grade Request Form” by the last day of the final exam period of the semester in which the student is enrolled in the course. The request must include specific details concerning the reason for the request. Before the request is approved, the student must discuss with the instructor the expectations and conditions governing completion of the coursework. Upon the approval of the instructor, the request, outlining these conditions, is automatically forwarded to the Registrar's Office who will issue the X grade. Instructors cannot assign “X” grades through My.LaRoche.

Students granted an incomplete grade for a course may take up to six (6) weeks from the beginning of the following academic semester, including summer semester, to complete the outstanding coursework. The instructor may set an earlier, but not later deadline date. Incomplete grade deadline dates for each semester are published in the online Academic Calendar.

If an incomplete grade is issued for a spring semester course, the student will assume sole responsibility for maintaining contact with the faculty member, who may not be resident over the summer.

In the event that the student does not complete the necessary work within the six (6) week period, the “X” grade will be changed by the instructor to the grade earned given zero points for all missing tests or assignments. “X” grades not changed within 72 hours of the incomplete grade deadline will be converted to an “F” grade by the Registrar’s Office. A request for extension beyond six (6) weeks may submitted in writing to the Registrar, and will be granted only by the Vice President for Academic Affairs, and only under the most compelling circumstances.

High Pass, Pass, Fail

Undergraduate students may choose to complete a course that is traditionally letter graded, with the High Pass/Pass/Fail grading scale instead. Courses being used to fulfill major, minor, and University Academic Core requirements are not available for High Pass/Pass/Fail grading, except for internship courses. Individual departments will determine whether internship courses will be graded on a High Pass/Pass/Fail basis. If a student chooses to convert the course to the High Pass/Pass/Fail option, the student must understand that the credits will be counted solely for general elective credits towards graduation.

The deadline to request conversion to the High Pass/Pass/Fail grading option coincides with the course withdrawal deadline of the specific course. The decision to change the grading scale is irrevocable. Since no quality points are assigned for a high pass/pass grade, the grade is not used in the calculation of the GPA; quality points will be assigned to a fail grade and used in the GPA calculation.

Undergraduate courses use the High Pass/Pass/Fail grading scale, where a High Pass (P+) grade is equivalent to a C or better, Pass (P) is C- to D- and a Fail is an F grade. General Elective credits are credits that are applied towards the minimum total of credits needed for graduation, but do not fulfill any specific course requirements.

Application for the High Pass/Pass/Fail option may be obtained from and submitted to the Registrar's Office. The deadline to request conversion to the High Pass/Pass/Fail grading option coincides with the course withdrawal deadline of the specific course. The decision to change the grading scale is irrevocable.

Audit

Students may audit courses. An audit signifies that the student will not be asked to meet the course requirements such as written assignments or examinations, but that he or she has the privilege of class attendance and participation. Formal application for this grading option must be made at the time of registration or no later than the end of the add/drop period. The tuition for an audited course is identical to the tuition for degree status. No credits toward graduation can be earned for audited courses, and no grade. One may not change from an audit to a regular credit basis once the add/drop period has ended.

Repeated Course

A course may not be repeated more than twice without the approval of the student’s academic advisor and department chair.

When a course is repeated, the grades received in both the original course and the subsequent course will remain on the student's academic record. The higher of the two grades earned is included in the computation of the cumulative grade point average (GPA).

The repeated course must be the same in which the original grade was earned. In extenuating circumstances where a course is no longer offered, another course of similar content, verified by the chair of the department offering the course, may be approved as the replacement. If a course number or title changes, with no change in content, the new number and title will be accepted as the replacement.

Courses may not be repeated at any other institution and have that grade accepted as a replacement for the original grade earned at La Roche.

Semester Credit Maximum

The average number of credits carried by full-time students is 12-15 hours each semester. Full-time tuition rate will be charged to students who take up to 18 credits. Students with a 3.00 GPA for the preceding semester and a 2.5 cumulative average may take more than 17 credit hours during a semester with approval of the student's academic advisor.

Student Evaluation

During the last week of each semester each student confidentially and anonymously evaluates each course in which s/he is enrolled. The faculty use these evaluations as a guide in improving their teaching and advising.

Temporary Transfer

Students who have earned more than 90 earned may not take a summer course as a Temporary Transfer. Once a student is matriculated at La Roche University, no more than two courses, not to exceed 8 credits, may be taken and transferred from other colleges. Authorization to have these credits transferred to La Roche must be obtained in writing via the Summer Temporary Transfer Request form before enrolling at another college. Students may not transfer credits during their residency (the last 30 credits of their coursework). Students must have a GPA of at least a 2.0 to be eligible. In most cases, permission for temporary transfer will be granted for the summer semester only.

Transcripts

All requests for official transcripts are obtained through an online system. A fee is charged for each official transcript requested. A transcript will not be released for any student who has not met their financial obligations to the University.

Withdrawal from the University

If a student voluntarily withdraws from the University for any reason he/she must complete an exit survey and withdrawal on-line. This procedure must be followed by all students wishing to withdraw from La Roche. All refunds of tuition and fees are based on the official date of withdrawal. Failure to properly complete the withdrawal process may result in the loss of good standing.

Graduation Application Procedures

Students who plan to graduate in December, May, or August must formally apply for graduation by the deadline published in the academic calendar. Students will need to complete an on-line graduation application, and meet with their advisor to confirm completion of graduation requirements. Graduation fee is due at time of completion of the application, and can be paid on-line, in the Registrar's Office or Student Accounts Office. Students will not be certified for graduation without filing an on-line graduation application.

Academic Honors

In order to recognize and encourage excellence in academic achievement, the University acknowledges at commencement those individuals who attain superior performance. Students may be graduated with University honors if they have completed at least 45 graded credits at La Roche. A student with a cumulative GPA as follows:

- GPA of 3.900 - 4.000 Summa Cum Laude (with highest honors)
- GPA of 3.750 - 3.899 Magna Cum Laude (with high honors)
- GPA of 3.500 - 3.749 Cum Laude (with honors)

Major Declaration

Major Declaration Policy

Undeclared degree-seeking students at La Roche University are required to declare a major before or upon completion of 60 credits. An undeclared transfer student who transfers in 60 or more credits must declare a major during or at the completion of their second semester at La Roche University.

Prior to declaring a major, students will be advised to meet with a department chair or faculty member from the department of the intended major to discuss their academic plans. The appropriate "Major Declaration or Change" form must be signed by that department chair/faculty member before the official change of major is made.

Students must declare a major by the published due date each semester in order to ensure proper advisor assignment for that semester's advising and registration period. The due date for major declarations will be published on the Academic Calendar.

Major Declaration Procedure

A student may officially declare a major by following these procedures:

- Meet with a faculty member in the department of the intended major to discuss the major and the student's academic progress toward that major
- Fill out the "Major Declaration, Add, Change, or Remove Request" form found online at https://intranet.laroche.edu/Registrar/secure/majorDeclaration.cfm Once submitted, the form will be routed to the appropriate faculty/offices.
- Follow up with the Office of Student Academic Support Services to ensure all electronic signatures have been obtained.

Rationale

Among the many benefits of declaring a major early in one's academic career are the following: the ability to work with a faculty advisor, access to special programs and/or courses reserved for declared majors, and invitations to specific career-information events.

Working with a faculty advisor allows students to gain first-hand information on recommended course sequences, internships, departmental activities, student organizations, conferences, honor societies, professional affiliations, and scholarships. In addition, it encourages the development of a long-term academic plan and allows ample time to fulfill that plan.

Online Course Limit Policy

Students in on-campus programs should consult with financial aid to determine if there are any limitations on the number of online classes completed each semester.

Definitions:

Online Asynchronous: online instruction delivered without any face-to-face meeting requirement. Student learning is on a student's own schedule, within a certain time frame. There is no set meeting time.

Online Synchronous: online instruction delivered virtually, with scheduled meeting times via an online platform. Students must attend the online class at the scheduled meeting time.

Online Hybrid: A blended class with some face-to-face component, but 51% or more of the instruction is delivered asynchronously online. (Considered "online" for financial aid purposes.) For hybrid classes, the course details must contain the percentage of in-classroom hours and the percent of online hours so that the expectations are clear to the student.

On-Campus: On-campus, face-to-face classes (which may use Canvas) or blended classes where 50% or more of the course is delivered face-to-face, and 50% or less is delivered online.

PCHE Cross-Registration and Other Consortium Courses

Cross Registration through the Pittsburgh Council on Higher Education (PCHE)

Cross-registration is available in the Fall and Spring semesters only to full-time students enrolled in one of the Pittsburgh Council on Higher Education (PCHE) institutions. La Roche students must be enrolled in a minimum of 12 credits at La Roche to be eligible. Students may cross-register for only one course per fall or spring semester at only one of schools. The grade earned for a cross-registered course is calculated in the student's La Roche GPA.

Cross-registration forms are available online and must be processed by the deadlines established by each school. The completed form must be submitted to the La Roche University (home institution) Registrar, with the approval of the students' advisor. The student should NOT attempt to register directly at the host instituion for PCHE cross-registration. All forms must contain the correct course number and title of the PCHE course, using the host institution's course code system.

The cross-registered course will be included in La Roche full-time tuition. However, students are responsible for paying for special course or laboratory fees to the host institution. For further information concerning cross-registration, contact the Registrar's Office.

Members of PCHE, in addition to La Roche, are: Carlow, Carnegie Mellon, Chatham, Community College of Allegheny County, Duquesne, Pittsburgh Theological Seminary, Point Park, Robert Morris, and the University of Pittsburgh.

Acadeum Council of Independent Colleges (CIC) Online Course Sharing Consortium

La Roche University is a member of the Acadeum CIC Online Course Sharing Consortium, which facilitates course-sharing among similar institutions. The Acadeum CIC online consortium is intended to provide students an opportunity to complete a course online through another CIC-participating institution if the course is not being offered at La Roche and is needed to progress for graduation.

Acadeum consortia courses appear on the La Roche transcript and will be billed as though they were institutional courses, will be covered by La Roche financial aid (if applicable), and count towards a student's full-time status. A consortia course will count as a La Roche course. While consortia courses are offered by a different college or university, they are deemed as fully equivalent to a specified La Roche course. As such, the course will appear on the student's La Roche transcript as a La Roche course (though these courses will be designated "Acadeum" in order to indicate that the course was not actually taken at La Roche). All courses will post the final letter grade on the La Roche transcript, not as transfer credits, and will calculate into the student's semester and cumulative GPA. If this is a repeat of an approved equivalent course, the higher grade earned will be used in the GPA calculation. Please note that all grades for completed consortia courses, including grades of F, will count towards a student's La Roche GPA. The course credits and grade will be used in the financial aid satisfactory academic progress calculation. Because a consortia course will count as a La Roche course, these credits are applicable towards La Roche residency requirements. Undergraduate students are limited to one Acadeum consortia course per fall and spring term (lecture and lab co-requisites considered one course), and up to 9 credits in summers, with a limit of 18 credits total towards a La Roche bachelor's degree. Graduate students are limited to 3 credits towards a master's degree, and only if accepted by the individual graduate program.

Students are responsible for all learning material costs, including textbooks, as determined by the teaching institution.

Departments and programs will review and pre-approve course equivalencies for specific classes. Academic Core equivalencies must also be approved by the Academic Core Committee Chair. Graduate coursework may be approved at the discretion of the academic program; some graduate programs will not accept Acadeum consortia coursework. However, all Acadeum enrollments are subject to final approval by the La Roche Office of the Registrar.

The add/drop and withdrawal dates for Acadeum courses are set by the teaching institution. Students should review the specific course's academic calendar and syllabus closely for specific course dates and deadlines. Courses that do not fall exactly within the La Roche semester schedule will be added to the term in which the majority of the course falls, up through the latest add/drop subterm date. Students anticipating graduation must have the course completed and graded within three weeks after the LRU expected graduation date.

Eligibility:

- Students must be degree-seeking at La Roche University.
- Students must be in good academic standing to be eligible to participate in the Acadeum Consortium. Students must have an established La Roche GPA or transfer post-secondary institution GPA to verify standing; first-semester freshmen are not eligible.
- All efforts must be made to complete the course at La Roche. An equivalent La Roche course should not be offered at La Roche in the same semester; if one is, students are expected to enroll in the La Roche course. If the needed course will be available at La Roche within the student's graduation timeline, the student should complete the course at La Roche.
- If an equivalent La Roche course is offered, sufficient justification must be made as to why the Acadeum course is necessary. Any warranted exceptions and approvals will be reviewed and granted by Academic Affairs.

Registration, Add/Drop, Withdrawal, Tuition Refund Policy

Registration for all continuing* La Roche University students is through a web-based registration system known as My.LaRoche.edu. My.LaRoche.edu permits students access to:

- the course schedule for the registration session, including a listing of closed
- courses on-line registration and course add and/or drop
- the student's current schedule and grades
- a degree audit which calculates the courses the student has completed and needs to complete to meet degree
- requirements an email link to his/her advisor
- a GPA projection link that allows the student to do a "what if?" scenario
- the student's unofficial academic record
- the student's biographical information on file at the University

** A continuing student is one who was registered at La Roche within the last calendar year.*
*** A new student is one who is registering at La Roche for the first time.*

NOTE: You must have a La Roche University network account in order to access online registration and student information.

Registration Policy

Students are permitted to attend only those classes for which they are registered. Credits are not granted nor grades recorded on a transcript for any course for which a student has not been officially registered. Students with outstanding balances are not permitted to register.

Many upper-division courses have pre-requisites as listed in the Course Catalog. Students may not register for courses until they have met the pre-requisites or unless the division chair or department chair grants permission in writing.

Registration/Late Registration

Registration for continuing students begins during the advising period and ends on the established registration deadline for the semester, as published in the online Academic Calendar. During this period, continuing students register online through My.LaRoche.edu.

After the registration deadline, and until the last day of add/drop, continuing students who have not yet started registration may be charged a $100 late registration fee.

Registration for new students begins immediately after the advising period for continuing students and ends on the last day of add/drop for the semester. New students are registered by Graduate Studies and Adult Education (transfer and graduate students) or Student Academic Support Services (freshmen).

Requests for Registration after the end of the add/drop period may be submitted to the Registrar, and will be considered only under extenuating circumstances with the approval the Academic Dean. Contact the Registrar at registrar@laroche.edu for more information.

Adding or Dropping of Classes (Add/Drop)

The Add/Drop period for the Fall and Spring semesters and sessions is one week in length. During this time, students add and drop courses online through My.LaRoche.edu. Permission of the instructor is required to add an online class after the first day of the semester or to add an accelerated course after the first class meeting. Instructor permission may be obtained via La Roche email and forwarded to the Registrar's Office. Tuition charges are removed for all courses dropped within the first week of the semester.

Non-attendance does NOT constitute an official class drop. Failure to drop or withdrawn from a class will result in an "F" grade on the student's transcript. Attendance does NOT constitute an official class add. Grades will not be issued nor recorded for a student who completes a class for which he/she is not officially registered.

Course Withdrawal with W Grade

The withdrawal period is posted on the Academic Calendar for each semester/sub-session. W grades are assigned during this period. The Course Withdrawal form is available online on the Registrar's web site.

Course Withdrawal with F Grade

After the deadline for withdrawal with a W grade, a student can withdraw with an automatic F grade (shown as WF, Withdrawn Failing) through the end of the semester or session.

Accelerated Fall/Spring and Summer Session Add/Drop and Withdrawal Dates

Students can withdraw from an eight-week accelerated course through Friday of the fifth week of the session. The add/drop, withdrawal, and refund periods for the abbreviated summer sessions are based on the length of each session and number of class meetings, and students should consult the online academic calendar on the Registrar's web site for specific deadline dates. Students can add, drop and withdraw online through My.LaRoche.edu.

Publication of Deadline Dates

All registration, add/drop, and withdrawal dates are published in the online Academic Calendars published on the Registrar's web site. Students are responsible for knowing and meeting all registration deadline dates.

Withdrawal or Leave of Absence from the University

Students who intend to leave the university temporarily (Leave of Absence) or permanently (Withdrawal) must complete the online Withdrawal/Leave of Absence form located under "Student Forms" on the Registrar's web site. Upon submission of this form, withdrawing students are directed to an online Exit Interview.

Returning Student: Academic Fresh Start

The purpose of the “Academic Fresh Start” policy is to provide students who earned less than a 2.0 during their initial enrollment at La Roche, the opportunity to return for a “one-time only” option of having their GPA restarted. To be eligible for an Academic Fresh Start, a student must:

- be a former La Roche undergraduate who left La Roche without completing an academic program
- have left the University with a GPA of less than 2.0
- have been absent for a minimum of four years (twelve academic semesters)
- have not been previously dismissed

The Registrar will determine if the criteria for “Fresh Start” has been satisfied. Eligibility for “Fresh Start” does not guarantee readmission.

Under the Academic Fresh Start option, the Office of the Registrar begins a new GPA for the student upon readmission. The student retains the credits for all previous courses completed with a grade of C or better, although the quality points earned from those courses will no longer be counted in calculation of the GPA. Only quality points earned from courses taken after

readmission will then apply to the student's GPA. A notation indicating the beginning of an "Academic Fresh Start" will appear on the student's transcript. Students should be aware that the previous academic record will remain on the transcript.

Under this policy:

- A student may not select some grades and credits to retain while excluding others.
- To be eligible for a degree, a student must complete a minimum of 30 credit hours after re-admission.
- An Academic Fresh Start may be awarded only once, and once granted, is irrevocable
- At any time, La Roche may designate certain majors as "enrollment controlled" and not available for an Academic Fresh

Start The Academic Fresh Start policy does not allow the student to regain Financial Aid Eligibility.

Student Grievance Policy

Investigation of Complaints

La Roche University will investigate all allegations promptly and in accordance with defined internal procedures. The procedures will be conducted by officials who have received training on issues related to this policy. Employees and/or students who are found to have violated this policy will be subject to disciplinary action, up to and including dismissal or termination. If a complainant is found to have been intentionally or maliciously dishonest, reckless, or frivolous in making the allegations, the complainant shall be subject to appropriate disciplinary action.

All direct or indirect forms of retaliation and/or intimidation (physical, verbal, social networking, etc.) against the accuser/accused, or person who provides information about incidents of sexual misconduct will not be tolerated. Furthermore, any person who is found responsible for any form of intimidation or retaliation may be subject to disciplinary action.

La Roche respects the privacy of those reporting sexual misconduct; however, because of the serious nature of allegation of sexual misconduct and potential impact on the broader campus community, confidentiality cannot be guaranteed. Both parties simultaneously shall be informed in writing of the outcome of any institutional disciplinary proceeding, the appeal process, and any change to the results, and a timeframe for results.

Rights and Responsibilities of Complainant, Respondent, and University

During the student conduct process for a sexual misconduct complaint:

- A complainant has the right file a charge when she or he believes sexual misconduct has occurred.
- A respondent has the right to notice of charge and an opportunity for an administrative hearing in accordance with the student conduct process.
- A complainant and respondent both have a right to appeal the outcome.
- A complainant and respondent both have the right to view the material that will be considered.
- A complainant and respondent both may have an advisor of their choice be present during the investigation; however, the advisor is not permitted to interrupt the investigation in any situation.
- La Roche will take prompt and effective steps to ensure the safety of the complainant if necessary.
- La Roche will investigate the complaint if warranted.
- La Roche will notify both parties of the outcome.

Campus Guest Policy

La Roche students are responsible for the actions of their guests and may be held accountable through the Campus Judicial System for the actions of their guests. A guest is defined as any invited or uninvited person who is in the presence of a La Roche student. The student acting as host is responsible for informing his/her guest of the university regulations and assumes full responsibility for a guest's behavior. The host assumes financial responsibility for any damage charges that may occur as a result of the guest's actions. (See "Guest" section of Residence Life).

Student Grievance Procedure

La Roche University affirms the right of students to due process when they feel that they have been unjustly treated by University faculty, administration or staff. These procedures were developed so that students may have an opportunity for due process in non-disciplinary matters such as disputes with administration, apparent arbitrary judgment and unjust or discriminatory treatment. Disciplinary matters, such as violations of University policy and state and federal laws, will be handled in accordance with the Campus Student code of conduct System. Grade appeals are handled by using the Grade Appeal Procedure.

These procedures were formulated by members of the student body, faculty and administration to ensure the rights, integrity and position of both the student and the party involved in the alleged grievance. The University also affirms the right of the parties involved to defend their positions should they choose to do so. The Grievance Procedure may not be used to challenge a University regulation or policy. It may, however, involve the application or administration of a policy to a particular group of students or to a particular student.

Definitions

Grievance.
An incident in which a student feels he/she has not been fairly treated in a non-disciplinary matter.

Due process.
To assure that each student is provided a fair hearing.

Review Committee Membership

The Student Grievance Review Committee membership is made up of the following

- University community representatives: 3 students elected by Student Government;
- 2 faculty representatives elected by the Academic Senate;
- 1 Student Life staff member appointed by the Dean of Students (serves as chairperson); for clarification). This request must include the nature of the grievance and a statement of the facts to be presented.
- 1 Academic Affairs staff member appointed by the Provost for Academic Affairs;
- 1 administrative staff member from the Finance or Business Affairs offices appointed by the President.

This committee is formulated in the spring semester of each year. Members serve on the committee for the succeeding academic year and summer session.

If a member is not available to serve during the summer, an appointment will be made for that term by the appropriate person or governing body.

A quorum for the Student Grievance Review Committee is 6; (two students, one faculty, one student affairs representative, one academic affairs representative, and one member of the business office staff).

Procedures

If a student feels that he/she has a grievance(s), he/she must attempt to settle it by speaking to the faculty/staff member who is directly responsible for the grievance. This discussion must take place within 10 business days from the time the student becomes aware of the problem.

The faculty/staff member who is directly responsible for the grievance must respond in writing to the student within 5 business days after the discussion has taken place.

If the student is dissatisfied with the results from step 1, the student will prepare a written appeal giving a clear and precise statement including the following:

- A statement that the student has complied with step 1 above.
- Specifics of the appeal.
- Suggestions as to what the student would consider as fair resolution of the appeal, with supporting reason or reasons. This appeal is made to the immediate supervisor of the faculty/staff member who is responsible for the grievance. A duplicated copy of the appeal is sent to the appropriate line and officer at the same time. This appeal must be in writing and must be delivered within 10 business days of the response from the person directly responsible for the grievance. The immediate supervisor must respond in writing to the student within 5 business days after receiving the appeal. This procedure may continue, with the same time limitations, until the administrative officer has responded. If the student is not satisfied with the outcome of steps 1 and 2, he/she may request a hearing before the review committee.
- This request is made in writing to the Dean of Students within business days after receipt of the response from the administrative officer.
- The request is forwarded to the chairperson of the review committee. (See review committee composition)
- The student and the faculty/staff member who is directly responsible for the grievance will then receive notification of the date, time and place of the hearing, along with a list of the persons serving on the review committee.
- The student, as the person directly responsible for the grievance, has the right to challenge for cause any member of the review committee; if the student, or the person directly responsible for the grievance, can establish bias on the part of the challenged member, the member may be excused. The chairperson of the review committee shall rule on such challenge and may confer with the membership of the committee (except the challenged member) in arriving at his/her decision. In cases where the chairperson is the member being challenged, the review committee will, by majority vote, decide whether or not the chairperson should be excused from the committee.
- The faculty/staff member who is directly responsible for the grievance has the right to be present, testify and answer questions should he/she choose to do so.
- The review committee must respond to the student, in writing, within 5 business days after the review committee hearing.
- The results of the hearing are appealable to the President. The student must appeal in writing within 10 business days after receiving the results from the review committee. The President must respond to the student within 5 business days. There is no appeal to the Board of Trustees.

Transfer and Non-Traditional Credit

Students transferring to La Roche University will have their transcripts evaluated by the Registrar after they have been admitted. Credits will be awarded on a course-by-course basis, considering course descriptions, outcomes and objectives. The Registrar may choose to consult faculty for further review of the courses. In all cases the academic departments will have final determination in the evaluation of courses which satisfy department/major requirements.

Transfer Credit Limits:

- La Roche will accept a maximum of 90 transfer credits cumulative towards an undergraduate degree to include all transfer credits, credit by standardized examination, and credit for life experience. These 90 credits may include:
- A maximum of 90 credits from a four-year degree-granting institution, regionally accredited by one of the six accrediting organizations recognized by the Council on Higher Education Accreditation and the United States Department of Education
- A maximum of 90 credits from a regionally accredited Community or Junior Colleges that offer two-year education programs and award associate degrees.
- A maximum of 60 credits from a technical school, accredited by an agency recognized by the Department of Education. A technical school is defined as a two-year institution of higher education that focuses on an occupational or technical curriculum, and awards associate degrees at the conclusion of the program.
- La Roche may accept up to 6 semester hours of graduate credit toward a graduate degree at the discretion of the department.

In all cases, only those courses which are congruent with the academic programs of La Roche will be accepted.

Students may transfer in no more than 50% of the courses counted for a major. Individual departments may further limit the number of credits accepted to fulfill major requirements.

Students may transfer in no more than 50% of the courses counted for a minor.

All transfer students must request official transcripts be sent directly from the original credit granting institution to La Roche University, before transfer credit will be awarded. Transfer students who attended universities outside of the United States must submit an international credential evaluation report which explains how their international education compares to the U.S. system. (Transcripts must be translated into English before an evaluation can be processed.) A course-by-course evaluation including a grade point average (GPA) must be sent directly from an approved evaluation service to La Roche University.

All students must complete the last 30 credits (in residency) towards their degree at La Roche University. In extenuating academic circumstances, the Vice President of Academic Affairs and Academic Dean may grant an exception to the residency policy. Transfer credit and credits from all other external sources cannot be included within the last 30 credits.

Courses Not Accepted In Transfer:

- Undergraduate courses completed with a grade below “C”.
- Course completed with a grade of “P” or “S” (Pass or Satisfactory); unless verified by a transcript grading scale or in writing by the Registrar of the prior institution that such grade is equivalent to a grade of “C” or better.
- Computer technology courses completed more than 10 years before a student’s matriculation at La Roche.
- Courses completed more than 10 years before a student’s matriculation at La Roche into a nursing major, unless the student is a licensed Registered Nurse.
- Courses offered for non-credit Continuing Education Units (CEU).
- Developmental courses, or non-college level coursework, usually numbered below 100 or 1,000 level. Non-credit courses providing instruction in English as a Second Language.
- Courses for which the student has already earned credit for an equivalent course.

Non-Traditional Learning Options

La Roche University will accept a maximum of 60 credits total from non-traditional sources listed below:

- **Advanced Placement (AP)**. Students must have their scores sent directly from the College Board to the Registrar to receive credit. Credit is awarded based on minimum score needed for credit, found in the standardized exam credit equivalency charts maintained by the Registrar’s Office.
- **International Baccalaureate Program (IB)**. Credit is awarded based on minimum score needed for credit, found in the standardized exam credit equivalency charts maintained by the Registrar’s Office. Students must have their examination results sent from International Baccalaureate directly to the Registrar to receive credit.
- **Challenge Examinations**. La Roche University affords a student the opportunity to demonstrate that the knowledge associated with a particular course has already been gained through instructor prepared challenge examinations (the “exam”). Matriculated La Roche students may challenge an exam only if they have completed 30 credits of La Roche University class instruction. A maximum of 60 credits may

be earned through credit by challenge exam. Departments determine and maintain both a list of available challenge courses and the restrictions on those courses. Normally, a course is challenged only during the semester in which it is offered. Students may not challenge a course which they have failed or retake a failed challenge exam. Students may not challenge a course for which they have registered after the last day of the add period. Challenge exams are not recommended for students unfamiliar with the subject area. Credits earned through challenge exams will be applied to degree credit requirements.
Students must pay an application fee and complete the appropriate form, available from the Registrar's Office. Signatures from the instructor, the advisor & division chair or department chairperson are necessary. An additional per credit fee is required when credits are granted for the completed exam.

- **External Examinations**. Satisfactory scores on the College Level Examination Program (CLEP), Defense Activity for Non-Traditional Education Support (DANTES), and other examinations evaluated by American Council on Education (ACE) for college-level credit. Students must have scores reported directly to the Registrar. Each academic department determines if credit by exam is applicable to their specific majors. No standardized examinations are permitted during the student's residency (last 30 credits). Credit is awarded based on minimum score needed for credit, found in the standardized exam credit equivalency charts maintained by the Registrar's Office. DANTES results are evaluated on a per course basis with the academic department.
- **Credit for Training**. Credit will be awarded for military training that has been evaluated and recommended for college credit by the American Council on Education (ACE). Students must submit documentation (AARTS or SMARTS transcript is recommended, at minimum a DD214 or DD295) of training to the Registrar.
- **Credit for Life Experience**. A La Roche student can earn up to 30 credits at the undergraduate level through work and life experience through the development of a portfolio. Portfolios are submitted to the Registrar's Office and evaluated by La Roche faculty in the student's intended major. Credit for Life Experience credit hours can be applied toward general and major electives and courses for lower and upper division requirements for your major.

Updated 2024

VA Pending Payment Compliance Policy

In accordance with Title 38 US Code 3679 subsection (e), La Roche University adopted the following additional provisions for any students using U.S. Department of Veteran Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA.

La Roche will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to;
- Require student secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Provide Chapter 33 Certificate of Eligibility (or its equivalent) or for Chapter 31, VA VR&E's contract with the school on VA Form 28-1905 by the first day of class.
    - Note: Chapter 33 students can register at the VA Regional Office to use E-Benefits to get the equivalent of a Chapter 33 Certificate of Eligibility. Chapter 31 students cannot get a completed VA Form 28-1905 (or any equivalent) before the VA VR&E case- manager issues it to the school.
- Provide written request to be certified.
- Provide additional information to properly certify the enrollment, as needed.

Financial Information

Financial Aid Policies

Financial Planning

The funding of a La Roche University education is the primary responsibility of the student (and parent(s) of dependent students). Resources are available to assist the student in meeting costs of higher education from the federal and state governments, La Roche University, and outside resources. It is the student's responsibility to file the Free Application for Federal Student Aid (FAFSA) yearly for consideration of the various financial aid programs.

The Financial Aid Office provides students with education, counseling and resources to help manage the financial aspects of their educational goals. Various combinations of employment, grants, loans, and scholarships may be used to add to funds already available to cover the total cost of a college education. Students should carefully consider the costs of attending college and should apply for financial assistance if the costs exceed the available resources.

How Financial Aid is Determined

Filing the FAFSA allows the federal government to calculate the Student Aid Index (SAI). The Office of Financial Aid will use the SAI to develop a financial aid package, based upon the student's need and available resources. Need is determined by subtracting the SAI from the Total Cost of Attendance (tuition, fees, housing, meals, books, personal, and commuting expenses).

The financial aid package specifies the types and amounts of assistance, including non-federal aid for which a student is eligible to receive to cover his or her education-related expenses. Government and University funds are limited and the amount awarded to a student may not meet all financial need.

All awards are subject to revision. Factors affecting a student's eligibility include changes in residence status or enrollment, and adjustments as a result of revisions to the FAFSA and/or the verification process. If an adjustment of an award is made, the student will be notified and advised to access their financial aid information through the My Financial Aid student portal.

Financial Aid Application Process

Complete the FAFSA online at www.studentaid.gov as soon as possible after October 1. La Roche University's Federal School Code is 003987. For state grant consideration, students must submit the FAFSA and the appropriate state grant applications by the published deadlines of their home state agencies. (Pennsylvania residents must file the FAFSA by May 1 for State grant consideration). After the FAFSA has been processed and the FAFSA Submission Summary is received, the Office of Financial Aid will provide a notice of eligibility with instructions for how to view the financial aid information via the My Financial Aid student portal provided verification has been finalized (if applicable).

Verification Policy

Federal Student Aid requires that some applications be reviewed for accuracy through a process called verification. If a student is selected for this process, it will be specified on the FAFSA Submission Summary that is sent to the student from the federal processor. The student will also be notified by the university on the My Financial Aid student portal, and through the mail or by email. If selected for the verification process the student will be required to turn in additional documentation. The student's financial aid file will not be considered complete and ready for verifying until all missing eligibility information has been received and processed. The student will not receive aid notification until verification is completed. This process can take from one to four weeks depending upon how quickly the student submits accurate and complete information and documents. Failure to provide the documents will delay the awarding of the student's financial aid.

Type of Financial Aid

Grants and scholarships are considered gift aid; students are not required to repay the funds received. Need-based grants are based on financial need as determined by the FAFSA.

Loans, typically offered at lower interest rates, are to be repaid by students and/or parent(s) usually after they complete their program of study or separate from the University.

Employment opportunities are offered to students to help them meet their educational costs.

Federal Financial Aid Programs

Students who are U.S. Citizens or have permanent residence status in the United States are eligible to apply for assistance under various federal financial aid programs. Eligible students must complete and submit the Free Application for Federal Student Aid (FAFSA) to be considered for all of the following federal programs:

Federal Pell Grant. Federal Pell Grants are usually awarded only to undergraduate students who display exceptional financial need and have not earned a bachelor's, graduate, or professional degree. A Federal Pell Grant is determined by need. Students must file the FAFSA annually to be considered. More detailed information about the Federal Pell Grant Program, as well as all of the other federal student aid programs referenced below, can be found at www.studentaid.gov.

Federal Supplemental Educational Opportunity Grant (FSEOG). SEOG amounts are based on financial need. Students who already have a bachelor's degree are not eligible. Early filing of a FAFSA is essential. Preference is given to students who are Pell grant eligible.

Federal Work-Study (FWS). FWS is a need-based program that allows students to earn money to use toward their personal or educational expenses. Work-study dollars are paid directly to the student like a paycheck and are not credited toward the student's bills. Funds are limited.

Federal Direct Subsidized Loan. Actual amount depends on financial need. The Federal Government pays the interest while the student is in school. The interest rate for subsidized and unsubsidized Direct Loans is set by federal law and subject to changes every July 1. A chart showing current and historic interest rates can be found on the U.S. Department of Education website (www.studentaid.gov).

Federal Direct Unsubsidized Loan. Awarded in addition to the Federal Subsidized Direct Loan or to those who do not qualify for the Subsidized Loan based on level of demonstrated need. The student is responsible for the interest due on a quarterly basis while enrolled in school.

Federal Direct Parent Loan for Undergraduate Students (PLUS). Federal Direct PLUS loans are available to parents of dependent undergraduate students. Interest rates are set by federal law and are subject to change every July 1. Generally, monthly interest and principal payments begin within 60 days after the second disbursement.

State of Pennsylvania

PA State Grant (PHEAA). Grants are awarded on the basis of need, which is determined by filing the FAFSA and the Pennsylvania Higher Education Assistance Agency (PHEAA). Recipients must be residents of Pennsylvania, which is determined by filing the FAFSA. Students who have previously earned a bachelor's degree are ineligible. Detailed information about all state grant programs can be found at http://www.pheaa.org. The deadline to file the FAFSA for consideration of the PA State Grant is May 1.

PHEAA randomly selects applications for income validation and will email the student using the email address provided on the FAFSA to request the required documentation. The student must mail the additional documentation directly to the PHEAA State Grant Division in Harrisburg, PA. Failure to submit this additional documentation will delay state grant awards.

Chafee Education and Training Grant (Chafee ETG) Program. This federally funded program offers grants to Pennsylvania undergraduate students aging out of foster care who are attending an eligible postsecondary institution.

PA Fostering Independence Tuition Waiver (FosterEd) Program. The FosterEd Program provides a waiver for tuition and mandatory fees charged by most post-secondary institutions located in the Commonwealth for youth who are or were in foster care. The application is combined for Chafee ETG and FosterEd and more information about eligibility can be found on the application.

La Roche University

Scholarship funds available at La Roche University are awarded on the basis of academic achievement (merit-based) and/or financial need (need- based). Students are considered for need-based scholarships if they have a Free Application for Federal Student Aid (FAFSA) on file by April 1. Applications can be filed after the deadline but will be processed according to the date received and may reduce the student's eligibility for aid resources.

Alternative Loans (Private Lenders)

Alternative loans are designed to assist students and their families who need additional educational financing. Loan approval is based on credit worthiness and ability to pay. Lenders have specific guidelines for their programs, and some allow students to borrow funds to cover past due balances.

Satisfactory Academic Progress

In order to qualify for Federal financial aid (Federal Pell Grant, Federal SEOG, Federal Work-Study, Federal Direct Subsidized Loan, Federal Direct Unsubsidized Loan, Federal Direct PLUS Loan and Federal Direct GradPLUS Loan), a student must maintain satisfactory academic progress as established by the University in accordance with federal guidelines. All academic work, regardless of whether the student received financial aid, will be included in this calculation.

Undergraduate Satisfactory Academic Progress Definition

Satisfactory academic progress for Undergraduate financial aid recipients is defined as follows:

- Successful completion of 67% of all credits attempted;
- A minimum 2.00 Cumulative Grade Point Average (C.G.P.A.) must be obtained;
- Maximum Time Frame is established as 150% of the time needed to complete an undergraduate degree or certificate program at La Roche University.
- Courses may be repeated only once to be counted toward making satisfactory academic progress. Students will not receive financial aid for courses attempted more than twice.
- "W," "I," "NC," and "F" grades will count as credits attempted with zero credits earned.
- Passed grades "P" and "P+" will count as credits attempted and earned toward grade level progression but will not count in the G.P.A.

- Remedial courses will count as credits attempted or earned, but they will not be included in the GPA calculation.
- Transfer credits will count as courses earned toward grade level progression but will not count in the G.P.A.
- La Roche Experience (LRX) classes will count as credits attempted and earned and will count toward grade level progress.

Satisfactory academic progress is checked at the end of each semester.

- Students who do not meet the definition of satisfactory academic progress according to the above definition are placed on Financial Aid Warning status and will receive financial aid for one additional semester.
- If the student meets the definition of satisfactory academic progress at the end of the warning status semester, the warning status will be removed and the student may continue to receive financial aid.
- If the student does not meet the definition of satisfactory academic progress at the end of the warning status semester, the student will be placed on Financial Aid Suspension status and all federal financial aid and La Roche scholarship and grant aid will be suspended until the student once again meets the criteria.
- Students who feel they have extenuating circumstances may appeal the suspension of financial aid in writing and clearly outline the special or unusual circumstances which contributed toward their lack of progress using the appeal form that will be enclosed with their suspension letter. Supporting documentation must be submitted along with the appeal form.
- If the student's appeal is approved, the student will be place on Financial Aid Probation status and will receive financial aid for one final semester.
- If the student meets the definition of satisfactory academic progress at the end of the probation status semester, the probation status will be removed and the student may continue to receive financial aid.
- If the student does not meet the definition of satisfactory academic progress at the end of the probation status semester, the student will be placed on Financial Aid Suspension status and all federal financial aid and La Roche scholarship and grant aid will be suspended until the student once again meets the criteria.

Graduate Satisfactory Academic Progress Definition

Satisfactory academic progress for Graduate financial aid recipients is defined as follows:

- Successful completion of 75% of all credits attempted;
- A minimum 3.00 Cumulative Grade Point Average (C.G.P.A.) must be obtained.
- Maximum Time Frame is established as 150% of the time needed to complete a graduate degree or certificate program at La Roche University.
- Courses may be repeated only once to be counted toward making satisfactory academic progress. Students will not receive financial aid for courses attempted more than twice.
- "W," "I," and "F" grades will be calculated as credits attempted with zero credits earned.

Satisfactory academic progress is checked at the end of each semester.

- Students who do not meet the definition of satisfactory academic progress according to the above definition are placed on Financial Aid Warning status and will receive financial aid for one additional semester.
- If the student meets the definition of satisfactory academic progress at the end of the warning status semester, the warning status will be removed and the student may continue to receive financial aid.
- If the student does not meet the definition of satisfactory academic progress at the end of the warning status semester, the student will be placed on Financial Aid Suspension status and all federal financial aid and La Roche scholarship and grant aid will be suspended until the student once again meets the criteria.
- Students who feel they have extenuating circumstances may appeal the suspension of financial aid in writing and clearly outline the special or unusual circumstances which contributed toward their lack of progress using the appeal form that will be enclosed with their suspension letter. Supporting documentation must be submitted along with the appeal form.
- If the student's appeal is approved, the student will be placed on Financial Aid Probation status and will receive financial aid for one final semester.
- If the student meets the definition of satisfactory academic progress at the end of the probation status semester, the probation status will be removed and the student may continue to receive financial aid.
- If the student does not meet the definition of satisfactory academic progress at the end of the probation status semester, the student will be placed on Financial Aid Suspension status and all federal financial aid and La Roche scholarship and grant aid will be suspended until the student once again meets the criteria.

Return of Federal Student Aid (Title IV) Funds Policy

A Return to Title IV (R2T4) calculation is required when a student does not attend all of the days the student was scheduled to complete within a payment period or period of enrollment. This policy applies to all students who officially withdraw, unofficially

withdraw, or are administratively dismissed while receiving Title IV aid. The R2T4 calculation is done to determine the amount of Title IV aid earned by the student.

The students affected by this policy are determined according to the following definitions listed below:

- An **official withdrawal** occurs when a student provides written or electronic notice to the Registrar or completes the university's withdrawal process. In such cases, the withdrawal date is the date the student begins the withdrawal process or **notifies the institution of intent to withdraw**.
- An **unofficial withdrawal** occurs when a student ceases enrollment without notification and fails to earn a passing grade in all courses for the term. Because La Roche University does not take attendance after the census date, the withdrawal date for these students is the respective term midpoint, unless faculty can document a later academically related activity, such as an exam, paper submission, or project participation, as required by 34 CFR 668.22(c)(3)1

When a student who receives a disbursement of Title IV funds then ceases attendance prior to the 60 percent point in the payment period, La Roche University will determine whether the student must repay a portion of the disbursement. A statutory prorated schedule will be used to determine the percentage of Title IV funds the student has earned at the time of withdrawal. Federal Work Study funds are excluded from the calculation.
If a student withdraws after completing more than 60 percent of the semester/term, all Title IV aid is considered earned and the student does not owe a repayment. However, withdrawing may affect a student's satisfactory academic progress and eligibility for future financial aid.

Modular (Subterms) Courses and Return to Title IV

A student who withdraws from a subterm course (1st 8 weeks or 2nd 8 weeks) within the semester is considered to be withdrawn, even if registered for future classes starting in the same semester, unless one of the following criteria is met:

The student, at the time of withdrawal from a subterm class, is attending another class.

The student has successfully completed course work in 49 percent of the countable days within the semester. Calculations cannot be rounded up to achieve 49 percent.

The student has successfully completed courses that constitute half-time (6 credit hours) enrollment in the semester.

The student provides documentation to the college indicating the intent to attend a future class within that semester.

If none of these criteria are met, the student is considered withdrawn and an R2T4 calculation must be completed. If the student provides documentation but doesn't actually attend that future class, an R2T4 calculation is still required.

Return to Title IV Calculation

1. La Roche University calculates the percentage of Title IV aid earned based on a student's attendance through the determined withdrawal date. The institution identifies the total number of calendar days completed in the payment period and the total number of days the student was scheduled to complete in that period. The percentage completed is determined by dividing the days attended by the days scheduled. To calculate the amount of aid earned, this percentage is multiplied by the total Title IV aid for which the student is eligible. When determining the length of the payment period or period of enrollment, scheduled breaks of five consecutive days or more are excluded from both the total term length and the student's attendance period, provided the student's last date of attendance occurs after the break.
2. The institution will then determine the total institutional charges (tuition, fees, and books and supplies charged at the bookstore) and multiply the total institutional charges by the percentage determined in step 1 above in order to calculate the earned charges.

   Note that eligibility for a post-withdrawal disbursement (PWD) will be confirmed within 30 calendar days of the date that the student withdrew. The student or parent will have 14 calendar days from the date that La Roche University sent the PWD notification to accept a PWD. If a response is not received from the student or parent within the allowed time frame or the student declines the funds, La Roche University will return any earned funds that the school is holding to the Title IV programs.

   In accordance with federal regulations, when Title IV financial aid is involved, the calculated amount of R2T4 funds is returned in the following order:

   - Federal Direct Unsubsidized Loan Program;
   - Federal Direct Subsidized Loan Program;
   - Federal Direct Graduate PLUS Loan Program;
   - Federal Direct Parent PLUS Loan Program;
   - Federal Pell Grants;
   - Iraq and Afghanistan Service Grant (IASG);
   - Federal Supplemental Educational Opportunity Grant (FSEOG) Program; and,
   - Federal TEACH Grants.

   Students are encouraged to officially withdraw to ensure accurate processing of their financial aid.

Students remain responsible for any outstanding tuition, fees, or balances that result from the return of Title IV funds. The institution, in turn, is responsible for monitoring grade records to identify unofficial withdrawals, documenting withdrawal dates and R2T4 calculations, and ensuring timely communication and compliance with federal timelines. La Roche University maintains all records of withdrawal determinations and R2T4 calculations for audit and program review purposes.

Note, effective January 1, 2026, the regulations—outlined in the January 3, 2025, Federal Register—amend § 668.22(a)(2)(ii)(A)(6) to provide an exemption from the Return of Title IV Funds calculation when the following conditions are satisfied:

- The student is treated as never having begun attendance for Title IV purposes.
- The institution returns all Title IV, HEA assistance disbursed to the student for that payment period or period of enrollment.
- The institution refunds all institutional charges to the student for that period.
- The institution writes off or cancels any balance owed by the student due to the return of funds.

[1] An institution that is not required to take attendance may use as the student's withdrawal date a student's last date of attendance at an academically-related activity provided that the institution documents that the activity is academically related and documents the student's attendance at the activity.

La Roche Academic Tuition & Fees

Tuition	Cost
Undergraduate	
Part Time/per credit	$889
Undergraduate (Full-Time)	
Tuition per semester (12-18)	$17509.00
Graduate	
DNP Tuition/per credit	$1134.00
Graduate/per credit (not DEMSN, DNP or DNAP)	$ 932.00
DEMSN/per credit	$ 860.00
Nurse Anesthesia Doct. (DNAP)/per credit	$1134.00

Special Programs	Cost
Undergraduate (Full-Time)	
Pathway Tuition	$8797.00
Adult (ADLT)	$ 889.00
Alumni Audit/UNDG (AAUN)	$ 179.00
Alumni Audit/GRAD (AAGD)	$ 190.00
Alumni Discount (AUCO)	$ 661.00
Alumni Discount (AGCO)	$ 743.00
CDP UNDG (CDP)	$ 494.00
CDP GRAD (CDPG)	$ 743.00
Corporate Disc.-GRAD (CORG)	$ 743.00
Scholar (off campus-SC), per course	$ 257.00
ESL Course	$ 330.00
ESL Fee	$ 96.00
Health Service-UNDG (HLTH)	$ 494.00
Health Service-GRAD (HLTG)	$ 743.00
Corporate Disc.-UNDG (CORP)	$ 661.00
Community College Associate (CA)	$ 500.00

Residence Fees	Cost
Graduate	
Graduate Housing	$5729.00
Bold Room	$4647.00
Lower Campus/Mahler & Schneider	$4105.00
Meal A (Redhawk)	$2815.00
Meal B (Providence)	$2665.00
Meal C (Ketteler)	$2464.00
Single-Bold (added to standard Bold rate)	$1964.00
Single-Lower Campus/Mahler & Schneider (added to standard rate)	$1577.00

Other Fees/Semester	Cost
Undergraduate	
Student Support/Dev. Fee	$ 380.00
Learning Technology & Curriculum Support Fee	$ 380.00
Pathway Fee (students in Pathway program only)	$ 160.00
Graduate	
DNP Fee	$ 94.00
DNAP Fee (Charged Fall semester only)	$3144.00
DEMSN Fee	$1193.00

Other Fees/Semester	Cost
Other Grad Fee	$ 96.00

Note: Tuition and fees are subject to change without notice.

Faculty & Administration

Faculty

Professors

Rebecca Bozym, Ph.D., Chemistry, 2010
Pamela Chapman, Ph.D., RN, CCRN, Nursing, 2005
Shinil Cho, Ph.D., Mathematics and Physics, 2000
Mark Dawson, MBA, CPA, Accounting and Finance, 2000
Joshua Forrest, Ph.D., History and Political Science, 2004
Jean C. Forti, Ph.D., Human Resources Management, 2000
Linda Jordan, Ph.D., English, 1995
Lauren Lampe, MFA, Graphic Design, 1998
Lee Markowitz, Ph.D., Psychology, 2011
Janine Molinaro, Ph.D., English, 2002
Sheila Mueller, MBA, CPA, Accounting and Finance, 2007
Ryan O'Grady, Ph.D., Mathematics and Physics, 2011
Natalie Rugg, Ph.D., Education, 2011
Kathryn Tipton Silvis, D.Ed., Education, 2006
Azlan Tajuddin, Ph.D., Sociology and International Studies, 2006

Associate Professors

Rishi Bahl, Ph.D., Marketing, 2014
William Crowley, J.D., Justice, Law, and Security, 2017
Jan Duckworth, Ph.D., Human Resources Management, 2017
Christine Duncan, Ph.D.., Biology 2016
Nadav Lipkin, Ph.D., Communication, Media, and Technology, 2017
Benjamin Mogesa, Ph.D., Chemistry, 2016
Dina Muth, MBA, CFA, Accounting and Finance, 2016
Andrea Peck, Ed.D., Education, 2016
Andrew Schwanbeck, MFA, Graphic Design, 2015
Emily Shimko, Ed.D., Health Science, 2017
Mary Shuttlesworth, Ph.D., Psychology, 2018
Frederick Sproull, Ph.D., J.D., Biology, 1979

Assistant Professors

Carrie Czar, MS, Interior Architecture & Design, 2025
Jeffrey Darville, Ph.D., Marketing, 2023
Leigh Frederick, Ph.D., MSN, RN, Nursing, 2023
Christina Kalkstein, Ph.D., RN, Nursing, 2013
Michelle Kirkpatrick, MSIA, Interior Architecture & Design, 2021
Maura Krushinski, Ed.D., Education, 2025
Kevin Lhota, MBA, Administration & Management, 2019
Mike McKeown, MBA , Justice, Law, & Security, 2024
Amy Osborne, DNP, RN, Nursing, 2022
Anjali Rastogi, MS, Management, 2025
Sohel Sarwar, PhD, Computer Science, 2020
Angela Smith, DNP, Nursing, 2020
Ann Smith-Hodgin, DNP, Nursing, 2021
Julie Smyder, Ph.D., Chemistry, 2023
Kayla Zehnder, DNP, RN, Nursing 2022

Visiting Professors

Denise Dolgas, Graphic Design, 2025
Jing Hua, Information Systems & Technology Department, 2025
Shannon Mathis, MS, Health Sciences, 2025
Kristof Oltvai, PhD, Religious Studies & Philosophy, 2026

Professors Emeritus

Lynn Archer, Ph.D., Information Systems Technology, 1988
Wendy Beckwith, M. Arch., Interior Design, 1977
Sister Michele Bisbey, CDP, PhD., Religious Studies and Philosophy, 1991
Edward Bobinchock, Ph.D., Religious Studies and Philosophy, 2007
Edward Brett, Ph.D., History and Political Science, 1984
Grant Dinsmore, MFA, Graphic Design, 1974
Roberta Hartman, Ph.D., Chemistry, 1993
Sister Edna Herbst, CDP, Ph.D., Graphic Design, 1972*
Barbara Herrington, Ph.D., Psychology, 1986
Howard Ishiyama, Ph.D., Administration and Management, 2025
Lisa Kamphaus, Graphic Design, 2010
Paul Le Blanc, Ph.D., History and Political Science, 1978
Lawrence Likar, MA, Justice, Law, and Security, 2000
Michelle B. Maher, Ph.D., English, 1991
Rosemary McCarthy, Ph.D., Nursing, 1993
Donald Orr, Ph.D., International Studies / International Management, 1978*
Sister Celesta Rudolph, CDP, Ph.D., Modern Language, 1966*
Dorothy N. Saladiak, Ph.D., English, 1969*
Sister Rita Yeasted, SFCC, Ph.D., English, 1980

*Deceased

Faculty Instructors

Todd Hoffman, MS, Graphic Design, 2014

Instructional Staff

Megan Buchholz, Radiological Technology, 2025
Lori Fazio, Radiological Technology, 2025
Alfreda Keltz, ESL, 2025
Veronica Sardegna, ESL and Pathway Program, 2024
Melody Vetica, DNP, Graduate Health Science, 2021
Christine Wittebort, DNAP, Graduate Health Science, 2019

Adjunct Professors

Christina Acheson
Joseph Acierno, PHD

Elizabeth Adler
Stephanie Adam
Deborah Alexander
Elena Almendarez, CDP
Sarah Andrews
Natalie Ahwesh, MED
Jorlanditha Austin
Sarah Austin
Pamela Baratka
Amanda Ball
James Barnett
Laura Bauer, MED
William Belko
Kristi Bell
Valerie Bicker
Lisa Bischoff
William Biss
Victor Boerio
Andrew Bott
Garrett Besonson
Thomas Bennitt
Alexandra Best, MSN
Alyssa Breisinger
Carolyn Broz
Amber Buczkowski
Patrick Bussiere
Kayla Burgert
Benjamin Burkholder, PHD
Mark Buccilli
Denise Buckey
Amy Caputo
Grant Catton
Crystal Calla
Steve Calva
Mark Capozza
Mary Carlin, MSN
Kristy Carlisle
Fabian Carrazana, BS
Sharon Cercone
Robert Cessar
Christine Chiodo
Jeffrey Chips
Richard Clark
Andrew Clouse
Nancy Collette, MA
Dennis Collins, MSN
Kirstie Corso
McKenzie Corner
Myra Couch
John Craig
Elliott Cramer, BS
Debra Cummins-Dunn
Sara-Jane Dakroub
Tina Daniels
Maria Diaz-Chatlak
Christopher DiCianna
Amy Donaldson
Kaileigh Dorrier
Justin Dorman
Florine Dsouza
Catherine Drabkin
Seth Drilak
Diana Dugina
Megan Dunham
Shirley Duffy, PHD
Mark Dunn
Scott Duryea, PHD
Mary Ellena-Wygonik
Whitney Elsesser
Jennifer Engel
Nicole Ernst
Amber Epps
Julie Evans
Devin Faddoul
Matthew Fazio
Bobbie Filer
Carrie Fisher
Laurette Flannery, DNP
Monica Festa
Marisa Floro
Brandon Foley, PHD
Janet Folkl, MA
Nyiesha Forte
David Frick, MBA
Zane Frund, PHD
Elizabeth Fry, PHD
Sydney Fulton, MBA
Jessica Ganni, PHD
Natasha Garrett, PHD
Danielle Gephart
Ronald Gilardi, PHD
Deborah Glatz
Elizabeth Gnalian
Rayuana Gray
Nancy Hajduk
Miranda Hall, MFA
Nicholas Haller
Scott Hanley
JoAnne Harlan
Brianne Harrison
Beatrix Hartmann
Jennifer Hast
Gracyn Holcombe
Michael Hochrein
Angela Hoffman, DNP
Robert Henkels

Douglas Heusey, MBA
Katherine Heiles
Alicia Heugel
Peter Horton
Susan Hong
Christopher Hnatow
Sean Huff
Erin Huff
Huma Husain
Ashley Iannazzo
Stephanie Illig, MSN
Alicia Ingram
Stacy Innerst
Ronald Jesiolowski
Brian Joos, MFA
Stephanie Johnson
Dallann Johnson
Stephanie Kaiser
Cheryl Kamarados
Narthana Kanmanii
Deborah Kane
Bruce Karger
Cynthia Karaffa
Sanj Katyal
Tricia Katyal
Changgeon Keum
Robert Kendall
Adria Kelleher, PHD
Morgan Kelly
Laura Kelly
Joseph Kienzle
Jack Kinsey
Constance Kramer
David Krebs
Dorothy Kurylo
Eugene Kurtz, MED
Lindsay Kyper
Amalia LaBaze
Ashley Lanahan
Stephany Lang
Holly Lassila
Edmund Lazzari
Timothy Layman, DNP
Sean Leavey
Albert Lee
Tyler Leech
Melissa Leone
Maricarmen Leon
Paul Levy
Xuan Li
Michael Liccione
Andrea Lindsay
Terri Liberto, PHD
Caterina LoPresti
Dale Lumley, PHD
Mladen Latal, MS
Mary Maggio, MED
Maura Mallon
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Amy Marsalis
Melissa Martin
Amanda Mathieson
Lacey Maude
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Diane McMahon, PHD
Candace McDaniel
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Christina Mease
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T Palmer, BS
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Matthew Petras
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Joseph Puglisi, MBA

Kasey Principe
Rebecca Price
Thomas Podnar
Bethany Porter
Christopher Rafferty
Marina Razgarina
Jamie Reddinger, MSN
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Jessica Robinson
Parker Rohrbaugh
Brady Roese
Zachary Rosenberger
Danielle Ruffing
Annah Rubus
Sarah Ruiz
Nancy Sakino Spears
Karen Samuels, DNA
Justin Sarvey
Amber Schellinger
Lexie Schlegel
Suzanne Sekula
Rishi Sethi
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Sean Sheffler, BA
Yuliya Sheremet
Allison Sharp
Joyce Shanty
Nancy Shaler
Erica Shields
Stephanie Sikinger
Brian Smith, PHD
Serena Smith
Norman Snyder
Michael Snyder
Kimberly Snodgrass
Ashley Solomon
Kerry Solomon
Kelly Spewock
Sarah Swerdlow
Brandon Szuminsky
Jennifer Tober
Katy Throm
Mitchell Thiessen
Emily Tracy, MSN
McKenzie Trader
Brendan Trischler
Brooke Tursky
Sarah Turner
Christina Unger
Dustin Updyke
Tracey Vendilli
Lauren Villella
Michael Vinski
Anthony Vincent
Albert Vogt
David Van Ess
Ericka Warvell
Jill Weiss
Robert Wesolowski
Thomas White
Sarah White
Leona Whiteman, MS
Margaret Whitlatch
Denise Whitacre
Brett Whittenberger
Dana Winterhalter, BS
Jordan Winland
Cassie Wolff
Michael Young, PHD
Kristen Yuretich
Tara Zalewsky-Nease
Hongying Zhou
William Zuri

La Roche University Board of Trustees

The Board of Trustees of La Roche University is committed to the school's mission and to ensuring that adequate fiscal resources are available to realize that mission. The Board further affirms the teaching, research and service roles of higher education and the concomitant value of academic freedom in a free and democratic American society.

In particular, the Board affirms the value of a college education which promotes the development of civic responsibility and productive working members of society; the importance of the American enterprise system as the cornerstone of a strong and free economy; the strength of the Catholic heritage of the University and the need to educate for social justice; and the social goal of providing access to higher education for diverse citizens of the society.

The quality education and financial health of La Roche University depends to a large measure on the competence of those chosen to serve as trustees. Some of the skills the University seeks in trustees are: ability to raise and manage financial resources; knowledge of higher education; knowledge of local, state, and/or federal government; lobbying or political skills; knowledge of real estate and legal expertise. The Board seeks diversity of age; sex; educational, racial, ethnic and religious background; and social and political views.

Regular meetings of the Board are held in the months of February, May and October. The following are current Board members:

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Sister Michele Bisbey, CDP, 1971, Ph.D., Vice Chair

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Jaclyn E. Faulds, Esquire
Jill L. Ferguson, 1992
Sister Linda Gaupin, 1970, CDP, Ph.D.
Howard W. Hanna, III (Emeritus)
Kathryn A. Jolley Madej, 1981, ASID
Michael D. Kenitz, 1980
Christine Kotarba
Sister Kathleen Matz, CDP, 1974
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University Administration

Christina A. Clark, Ph.D., President
Sister Elena Almendarez, CDP, Vice President for Mission and Ministry
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Christopher Driscoll, Chief Information Officer
Jennifer Engel, Executive Director, Introcaso Center for Lifelong Learners
David Kang, Ph.D., Vice President for Global Education
Glenn Natali, M.B.A., Vice President for Finance & Administration, Chief Financial Officer
Paul Spradley, Ed.D., Executive Director of the Ketteler Center for Peace, Justice, and Inclusion
Gregor Thuswaldner, Ph.D.., Provost and Dean of Faculty
Brandon Vinson, Ed.D., Vice President for Enrollment Management
Sarah D. White, M.A., Dean of Students and Title IX Coordinator

Academic Calendars

Fall 2026 Academic Calendar

Date	Event
Monday, August 10, 2026	Fall Tuition Due
Saturday, August 15, 2026	Online December Graduation Application opens
Friday, August 21, 2026	Freshman Orientation/Convocation. Freshmen Move-in Day.
Sunday, August 23, 2026	Residence Halls open at 10:00 am for upper-class students.
Monday, August 24, 2026	DEMSN 15-week & first ELMSN 7-week session classes begin at 8:00am.
Monday, August 24 - Friday, December 4, 2026	DEMSN, DNP & FNP 15-week session dates
Monday, August 24 - Friday, October 9, 2026	DEMSN first 7-week accelerated session dates
Monday, August 24, 2026	Full semester 16-week & first 8-week (8A, OA) accelerated session classes begin at 8:00 am
Tuesday, September 1, 2026	DEMSN LAST DAY TO ADD/DROP 15-week classes with 100% tuition refund; No fee
Tuesday, September 1, 2026	DEMSN LAST DAY TO ADD/DROP first 7-week classes with 100% tuition refund; No fee
Tuesday, September 1, 2026	LAST DAY TO ADD/DROP 16-week classes with 100% tuition refund; No fee
Wednesday, September 2 - Friday, October 30, 2026	Begins no tuition refund period for 16-week class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Monday, September 7, 2026	Labor Day Holiday. No classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus)
Monday, September 14, 2026	LAST DAY to apply for December graduation (online) without being charged $25 late fee. Late fee charged after this date.
Friday, September 18, 2026	DEMSN LAST DAY TO WITHDRAW from a first 7-week accelerated session class. "W" grade assigned. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, September 25, 2026	LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class. "W" grade assigned. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, October 2, 2026	Summer 2025 Incomplete grades due
Monday, October 5 - Tuesday, October 6, 2026	FALL BREAK - No 16-week classes; 8-week (8A, OA) accelerated session classes will still meet.
Wednesday, October 7, 2026	Classes resume at 8:00 am.
Monday, October 12 - Friday, December 4, 2026	DEMSN second 7-week accelerated session dates
Monday, October 12 - Friday, October 16, 2026	Midterm examinations for 16-week classes
Thursday, October 15, 2026	Online December Graduation Application closes
Monday, October 19 - Friday, October 30, 2026	Advising period for Spring & Summer 2027 semesters; Online initial registration continues through January 8, 2027 for Spring & through May 28, 2027 for Summer registration.
Monday, October 19, 2026	Major Declaration or Change Deadline. (Undeclared students with 60 or more credits MUST declare by this date)
Monday, October 19, 2026	Second 8-week (8B, OB) accelerated session classes begin
Tuesday, October 20, 2026	DEMSN LAST DAY TO ADD/DROP second session 7-week classes with 100% tuition refund; No fee
Tuesday, October 20, 2026	Final grades for first 8-week (8A, OA) accelerated session due by 11:59 pm
Tuesday, October 20, 2026	Midterm grades in 16-week classes due by 11:59 pm. Required for all undergraduate students.

Date	Event
Tuesday, October 27, 2026	LAST DAY TO DROP second 8-week (8B, OB) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to ADD 8-week classes after the first class meeting.
Wednesday, October 28, 2026	Begins no tuition refund for second 8-week (8B, OB) accelerated session class withdrawals. "W" grade assigned
Friday, October 30, 2026	DEMSN LAST DAY TO WITHDRAW from 15-week session class. "W" grade assigned. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines.
Friday, October 30, 2026	LAST DAY TO WITHDRAW from a 16-week class. "W" grade assigned. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines.
Friday, November 6, 2026	DEMSN LAST DAY TO WITHDRAW from a second 7-week accelerated session class. "W" grade assigned. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines.
Friday, November 20, 2026	LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines.
Wednesday, November 25 - Sunday, November 29, 2026	THANKSGIVING BREAK begins Wednesday at 6:00 pm. No classes after 6:00.
Monday, November 30, 2026	Classes resume at 8:00 am.
Friday, December 4, 2026	Last day for 16-week semester regular class meetings
Monday, December 7 - Friday, December 11, 2026	Final Examinations
Thursday, December 10, 2026	Spring Tuition Due
Friday, December 11, 2026	Official December graduation date. No formal commencement ceremony.
Friday, December 11, 2026	Residence Halls close at noon on Friday or 24 hours after student's last final exam, whichever comes first.
Tuesday, December 15, 2026	Final Grades for 16-week & second 8-week (8B, OB) accelerated session classes are due by 11:59 pm
Saturday, December 19, 2026	CHRISTMAS BREAK begins. University closed until January 4, 2027.

Date	Session 8A Event
Monday, August 24, 2026 - Friday, October 16, 2026	Session 8A First 8-week (8A, OA) accelerated session dates
Tuesday, September 1, 2026	Session 8A LAST DAY TO DROP first 8-week (8A) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to add 8 week classes after the first class meeting.
Wednesday, September 2, 2026 - Friday, September 25, 2026	Session 8A Begins no tuition refund period for first 8-week (8A, OA) accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, September 25, 2026	Session 8A LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class with no refund. "W" grade assigned
Friday, October 16, 2026	Session 8A First 8-week (8A, OA) accelerated session classes end
Tuesday, October 20, 2026	Session 8A Final grades for First 8-week (8A, OA) accelerated session classes due by 11:59 pm

Date	Session 8B Event
Monday, October 19, 2026 - Friday, December 11, 2026	Session 8B Second 8-week (8B, OB) accelerated session dates
Tuesday, October 27, 2026	Session 8B LAST DAY TO DROP second 8-week (8B, OB) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to add 8-week classes after the first class meeting.
Wednesday, October 28, 2026 - Friday, November 20, 2026	Session 8B Begins no tuition refund for second 8-week (8B, OB) accelerated session class. "W" grade assigned.
Friday, November 20, 2026	Session 8B LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned
Friday, December 11, 2026	Session 8B Second 8-week (8B, OB) accelerated session classes end
Tuesday, December 15, 2026	Session 8B Final grades for second 8-week (8B, OB) accelerated session classes due bye 11:59 pm

Spring 2027 Academic Calendar

Date	Event
Monday, October 19 - October 30, 2026	Advising period for Spring & Summer 2027; online initial registration continues through the first day of the term for Spring and summer.
Thursday, December 10, 2026	Spring Tuition Due
Friday, January 1, 2027	Online May Graduation Application opens
Monday, January 4, 2027	PCHE cross-registration requests must be submitted to the Office of the Registrar by 4:30pm. Requests must be signed by the student's academic advisor prior to submittal.
Sunday, January 10, 2027	Residence Halls open at 12:00 pm.
Monday, January 11, 2027	Full semester 16-week & first 8-week (8A, OA) accelerated session classes begin at 8:00 am
Monday, January 11, 2027	DEMSN 15-week & first DEMSN 7-week session classes begin at 8:00am.
Monday, January 11 - Friday, April 30, 2027	DEMSN, DNP & FNP 15-week session dates
Monday, January 11 - Friday, February 26, 2027	DEMSN first 7-week accelerated session dates
Monday, January 18, 2027	Martin Luther King Jr. Holiday. No classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus)
Tuesday, January 19, 2027	LAST DAY TO ADD/DROP 16-week classes with 100% tuition refund; No fee
Tuesday, January 19, 2027	DEMSN LAST DAY TO ADD/DROP 15-week and first 7-week classes with 100% tuition refund; No fee
Wednesday, January 20, 2027	Begins no tuition refund period for 16-week, DEMSN 15 week, and DEMSN first 7-week class withdrawals through withdrawal deadline. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Monday, February 1, 2027	LAST DAY to apply for May graduation (online) without being charged $25 late fee. Late fee charged after this date.
Friday, February 5, 2027	DEMSN LAST DAY TO WITHDRAW from a first 7-week accelerated session class. "W" grade assigned.
Friday, February 12, 2027	LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class. "W" grade assigned.
Monday, February 15, 2027	Online August Graduation Application opens.
Friday, February 19, 2027	Fall 2026 Incomplete grades due
Monday, March 1 - Friday, March 5, 2027	Midterm examinations for 16-week classes
Monday, March 1 - Friday, April 23, 2027	DEMSN second 7-week accelerated session dates
Monday, March 1, 2027	Online May Graduation Application closes
Friday, March 5, 2027	Residence Halls close at 6:00pm for Spring Break.
Friday, March 5 - Sunday, March 14, 2027	SPRING BREAK - No Classes. Begins at 6:00 pm.
Monday, October 19, 2026	Major Declaration or Change Deadline. (Undeclared students with 60 or more credits MUST declare by this date)
Tuesday, March 9, 2027	DEMSN LAST DAY TO ADD/DROP second 7-week classes with 100% tuition refund; No fee.
Wednesday, March 10, 2027	DEMSN begins no tuition refund period for second 7-week class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Wednesday, March 10, 2027	Midterm grades in 16-week classes due by 11:59 pm. Required for all undergraduate students.
Sunday, March 14, 2027	Residence Halls re-open at 12:00pm.
Monday, March 15, 2027	Second 8-week (8B, OB) accelerated session classes begin
Friday, March 19, 2027	DEMSN LAST DAY TO WITHDRAW from 15-week session class. "W" grade assigned

Date	Event
Friday, March 19, 2027	LAST DAY TO WITHDRAW from a 16-week class. "W" grade assigned
Monday, March 22 - Friday, April 2, 2027	Advising period for Fall 2027 semesters; Online initial registration continues through August 23, 2027 for Fall.
Tuesday, March 23, 2027	LAST DAY TO DROP second 8-week (8B, OB) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to ADD 8-week classes after the first class meeting.
Wednesday, March 24, 2027	Begins no tuition refund period for second 8-week (8B, OB) accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Thursday, March 25-Monday, March 29, 2027	EASTER BREAK begins Wednesday at 6:00pm. No classes after 6:00pm. Evening classes resume on Monday and day classes resume on Tuesday.
Monday, March 29, 2027	Classes resume at 6:00 pm. No day classes.
Friday, April 2, 2027	DEMSN LAST DAY TO WITHDRAW from a second 7-week accelerated session class. "W" grade assigned
Friday, April 30, 2027	Last day for 16-week semester regular class meetings
Monday, May 3 - Friday, May 7, 2027	Final Examinations
Friday, May 7, 2027	Residence Halls close at 2:00pm on Friday or 24 hours after student's last final exam, whichever comes first. They remain open for May graduates until noon on Sunday after commencement.
Saturday, May 8, 2027	Official May graduation date. Commencement ceremony.
Tuesday, May 11, 2027	Final Grades for 16-week & second 8-week (8B, OB) accelerated session classes are due by 11:59 pm

Date	Session 8A Event
Monday, January 11 - Friday, March 5, 2027	Session 8A First 8-week (8A, OA) accelerated session dates
Tuesday, January 19, 2027	Session 8A LAST DAY TO DROP first 8-week (8A) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to ADD 8 week classes after the first class meeting.
January 20 - Friday, February 12, 2027	Session 8A Begins no tuition refund period for first 8-week (8A, OA) accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, February 12, 2027	Session 8A LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class with no refund. "W" grade assigned.
Friday, October 16, 2026	Session 8A First 8-week (8A, OA) accelerated session classes end
Wednesday, March 10, 2027	Final grades for first 8-week (8A, OA) accelerated session due by 11:59 pm

Date	Session 8B Event
Monday, March 15 - Friday, May 8, 2027	Session 8B Second 8-week (8B, OB) accelerated session dates
Monday, March 15, 2027	Second 8-week (8B, OB) accelerated session classes begin
Tuesday, March 23, 2027	Session 8B LAST DAY TO DROP second 8-week (8B, OB) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to add 8-week classes after the first class meeting.
Wednesday, March 23 - Friday, April 17, 2027	Session 8B Begins no tuition refund period for second 8-week (8B, OB) session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, April 17, 2027	LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned.
Friday, May 9, 2027	Session 8B Second 8-week (8B, OB) accelerated session classes end
Tuesday, May 13, 2027	Session 8B Final grades for second 8-week (8B, OB) accelerated session classes due by 11:59 pm

Summer 2027 Academic Calendar

Date	Event
Monday, October 19 - October 30, 2026	Advising period for Spring & Summer 2027; online initial registration continues through the first day of the term for Spring and summer.
Monday, May 10, 2027	Summer Tuition Due
Monday, February 15, 2027	Online August Graduation Application opens

Date	Event
Thursday, April 29, 2027	LAST DAY to apply for August graduation (online) without being charged $25 late fee. Late fee charged after this date.
Monday, May 10, 2027	DEMSN, DNP & FNP 15-week & first DEMSN 7-week session classes begin at 8:00am.
Monday, May 10 - Friday, August 20, 2027	DEMSN, DNP & FNP 15-week session dates
Monday, May 10 - Friday, June 25, 2027	DEMSN first 7-week accelerated session dates
Tuesday, May 17, 2027	DEMSN, DNP & FNP LAST DAY TO ADD/DROP 15-week and first 7-week classes with 100% tuition refund; No fee
Wednesday, May 18, 2027	Begins no tuition refund period for DEMSN, DNP, FNP 15 week, and DEMSN first 7-week class withdrawals through withdrawal deadline. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Monday, May 24 - July 30, 2027	10-WEEK SESSION DATES (FS)
Monday, May 24 - July 17, 2027	8-WEEK SESSION DATES (M1)
Monday, May 24 - July 2, 2027	6-WEEK SESSION DATES (M2)
Monday, May 31, 2027	Memorial Day Holiday. No classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus)
Tuesday, June 1, 2027	LAST DAY TO DROP 10-week, 8-week, 6-week session classes with 100% tuition refund; no fee.
Tuesday, June 1, 2027	LAST DAY TO ADD 10-week session classes. Instructor permission is required to add 6-week or 8-week classes after the first meeting.
Wednesday, June 2, 2027	Begins no tuition refund period for 10-week, 8-week, 6-week class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, June 4, 2027	DEMSN LAST DAY TO WITHDRAW from a first 7-week accelerated session class. "W" grade assigned.
Friday, June 18, 2027	Juneteenth Holiday observed. No classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus)
Friday, June 18, 2027	LAST DAY TO WITHDRAW from a 6-week class. "W" grade assigned
Friday, June 25, 2027	LAST DAY TO WITHDRAW from a 8-week class. "W" grade assigned

Date	Event
Monday, June 28- Friday, August 13, 2027	DEMSN second 7-week accelerated session dates
Monday, June 28- Friday, July 30, 2027	5-WEEK SESSION DATES (M7). Last day to withdraw is July 16 with "W" grade assigned.
Wednesday, June 30, 2027	Online August Graduation Application closes
Friday, July 2, 2027	Spring 2027 Incomplete grades due
Friday, July 2, 2027	LAST DAY TO WITHDRAW from a 10-week class. "W" grade assigned
Monday, July 5, 2027	Fourth of July Holiday Observed. No classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus)
Tuesday, July 6, 2027	DEMSN LAST DAY TO ADD/DROP second 7-week classes with 100% tuition refund; No fee.
Wednesday, July 7, 2027	DEMSN begins no tuition refund period for second 7-week class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, July 9, 2027	DEMSN, DNP & FNP LAST DAY TO WITHDRAW from 15-week session class. "W" grade assigned
Friday, July 23, 2027	DEMSN LAST DAY TO WITHDRAW from a second 7-week accelerated session class. "W" grade assigned
Friday, August 20, 2027	Official summer graduation date, no formal commencement ceremony.

Academic Programs

Core Curriculum

Degree Type
Core Curriculum

New Core Implemented in the Academic Year 20-21 for all student entering Fall 2020 and later.

Areas of Knowledge

Foundations of Knowledge: 15 Credits

These courses provide a foundation of skills for lifelong learning such as writing, mathematics, analytical thinking, problem solving, computer applications, information literacy, and communications.

- ENGL 1011 - Academic Reading and Writing
- ENGL 1012 - Academic Writing and Research
- MATH 1010 - College Algebra or MATH 1002 - Foundations of Quantitative Reasoning or MATH 1040 - Probability & Statistics
- ISTC 1010 - Digital Literacy
- SPCH 1010 - Oral Communications

Breadth of Knowledge: 12 Credits

These courses emphasize broad-based, liberal education and challenge students to explore the principles, methodologies and resources within areas of intellectual inquiry outside their major field of study. Twelve credits are required, including study within four of the following domains. One domain will be fulfilled by the student's major.

- Global Perspectives
- Human Expression
- Natural and Physical World
- Social Sciences
- Values and Ethics

Global Perspectives

Courses in this area focus on the breadth and diversity of culture, countries, and societies through the use of global-centered theories or perspectives. They explore and analyze problems, issues, and phenomena impacting communities, nations, and regions in an increasingly globalizing world.

Human Expression

Courses in this area will require students to review, analyze, and/or create works based upon established criteria within one or more fields of human artistry and expression (literature, performing arts, visual arts, etc.). Students will reflect on how such works embody the interaction of individual voice and vision with community norms and values, as well as understanding such works within their historical and artistic contexts. This exploration of diverse human experiences and perspectives will help students cultivate an awareness of self in relation to their community and the surrounding world.

Natural and Physical World

Courses in this area focus on using the scientific method to understand the world. Students will build foundational knowledge of scientific principles and apply this knowledge to contemporary issues. Courses will explore scientific concepts, applications, data analysis, and literature through discussions and hands-on experiments. Students will utilize this knowledge to investigate a specific topic in a project related to the natural and physical world.

Social Sciences

Social science courses introduce students to the diversity and complexity of various social systems. Through scientific inquiry, students will examine patterns of human behavior and relationships as well as social interactions and processes. These courses will prepare students for civic engagement towards personal growth, professional goals, and responsibilities of citizenship.

Values and Ethics

Courses in this area will examine, through historical and cultural perspectives, the nature and ramifications of being a human seeking to answer the question "how ought we to live?" Students will reflect on this question through encounters with religious, philosophical, or ethical texts and artifacts. At the same time, by emphasizing the application of ethical choices and behavior to the individual's daily life, these courses will encourage students to examine their own social, professional, environmental, and/or religious values.

Depth of Knowledge: 3 Credits

- INQU - Interdisciplinary Inquiry

Courses designed to engage students in an in-depth exploration of a specific topic, as viewed from multiple perspectives.

Core Elective: 3 Credits

Students must choose one CORE elective from either the Breadth of Knowledge OR Interdisciplinary Inquiry course areas.

The La Roche Experience: 4 Credits

The La Roche Experience is composed of composed of two courses. The first course is a one-credit course that focuses on the University Mission and history. The second course is a three-credit course that focuses on justice issues viewed through the lens of the University mission, while engaging with the community to plan and execute a service-learning project. Associate degree students, degree-completion students, veterans, and adult learners are exempt from this requirement.

Learning Outcomes

Upon successful completion of the core, students are expected to demonstrate the following characteristics, in addition to the learning outcomes described for each component and the component courses of the curriculum.

- Competence in the fundamental activities necessary for success in any field of study.
- The power to pose academic questions in areas of intellectual inquiry outside the student's major field of study, and to draw on the principles, methodologies and resources native to those areas in addressing these questions.
- The ability to recognize the complex, interdisciplinary nature of knowledge as it is generated in the world today, and the corresponding ability to approach issues from a variety of perspectives and with a variety of analytical tool
- The imaginative capacity to conceptualize the interrelationships between local and global communities, and the moral capacity to act on that awareness to further freedom, peace, justice and well-being for all the world's people.
- The conviction that academic study is infused with ethical choices and concerns, and the courage to promote ethical beliefs and behavior in their academic and personal lives.

Core Waivers

- Students entering La Roche with 60 - 89 credits will be exempt from the 3 credits of core elective and LRX.
- Students who enter La Roche with 90 or more credits will be waived from: the 3 credits of core elective, LRX, and Interdisciplinary Inquiry
- Adult students (age 25 or older at the point of admission), students who are veterans of the United States military, students with an Associate's Degree, and degree-completion students are not required to participate in the La Roche Experience.

All core waivers for individual students are reflected in the student's degree audit.

La Roche Experience

Course Code	Title	Credits
LRUX 1001	LRX: FOUNDATIONS AND MISSION	1
LRUX 2500	INVESTIGATING SOCIAL PROBLEMS	3

Breadth of Knowledge

Natural and Physical World

Course Code	Title	Credits
BIOL 1001	LIFE SCIENCE (SLSC)	3
BIOL 1007	INTRO TO BIOLOGY: BUGS AND	3
BIOL 1007H	INTRO TO BIOLOGY: BUGS AND BREW-	3
CHEM 1006	INTRO TO CHEMISTRY:BRAVING THE ELEM	3
CHEM 1007	PRINCIPLES OF CHEMISTRY I	3
CSCI 1002	INTRO TO COMPUTER SCIENCE	3
HSCU 1010	HEALTH AND WELLNESS	3
NSCI 1001	THE NATURAL SCIENCES (SLSC)	3
PHYS 1006	INTRO TO PHYSICAL SCIENCE -	3

Social Sciences

Course Code	Title	Credits
CMET 1001	HUMAN COMMUNICATION	3
CMET 1001H	HUMAN COMMUNICATION - HONORS	3
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 2006	THE RULE OF LAW	3
EXSP 2015	SOCIAL & POLITICAL ASPECTS OF	3
HIST 1015	HISTORY OF THE WORLD (SLHS)	3

HIST 1016	SOCIAL DYNAMICS OF US HISTORY	3
HIST 3002	HISTORY OF EUROPEAN DIPLOMACY	3
HSCU 2015	SOCIAL AND POLITICAL ASPECTS OF	3
POLI 2002	MULTICULTURAL HISTORY OF THE U.S.	3
POLI 3030	COMPARING DEMOCRACIES	3
POLI 3032	COMPARATIVE PUBLIC POLICY	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
SOCL 1034	RACE AND ETHNICITY (SLSO)	3
SOCL 1034H	RACE AND ETHNICITY - HONORS	3
SOCL 2070	CULTURE AND HUMAN SOCIETIES	3

Values and Ethics

Course Code	Title	Credits
CRIM 1003	UNDERSTANDING THE U.S. CONSTITUTION	3
ENGL 2035	MORAL OF THE STORY	3
PHIL 1018	UNDERSTANDINGS OF THE	3
PHIL 1021	INTRO TO PHILOSOPHY	3
PHIL 2026	ETHICS (SLRS)	3
RELS 1001	OLD TESTAMENT (SLRS)	3
RELS 1002	NEW TESTAMENT (SLRS)	3
RELS 1003	WORLD RELIGIONS (SLRS)	3
RELS 1003H	WORLD RELIGIONS - HONORS	3
RELS 1004	THE BIBLE AS LITERATURE	3
RELS 1019	CONSCIENCE AND FREE WILL (SLRS)	3
RELS 1020	THE BIBLE AS A BOOK OF SOCIAL	3

Global Perspective

Course Code	Title	Credits
CMET 2003	COMMUNICATION BETWEEN CULTURES	3
CRIM 1002	INTERNATIONAL JUSTICE SYSTEMS	3
ENGL 2015	ISSUES AND DEBATES ACROSS CULTURES	3
ENGL 2016	THE HOLOCAUST IN LITERATURE	3
ENGL 2022	WORLD LITERATURE II	3
ENGL 2047	WRITING AND SINGING THE BLUES:	3
GEOG 2011	WORLD GEOGRAPHY	3
HIST 1013	WESTERN CIVILIZATION I (SLHS)	3
HIST 1014	WESTERN CIVILIZATION II	3
HIST 2000	BRITAIN AND ITS EMPIRE	3
HSCU 2016	GLOBAL HEALTH CARE (GLBL)	3
INST 2013	INTRO TO INTERNATIONAL STUDIES	3
INST 2013H	INTRO TO INTERNATIONAL STUDIES	3
MLFR 1001	ELEMENTARY FRENCH I	4
MLFR 1002	ELEMENTARY FRENCH II	4
MLSP 1001	ELEMENTARY SPANISH I	3
MLSP 1002	ELEMENTARY SPANISH II	3
POLI 3055	TODAY'S GLOBAL WARS	3

Human Expression

Course Code	Title	Credits
DSGN 1013	INTRO TO PHOTOGRAPHY (SLAE)	3
DSGN 1015	THE AESTHETIC EXPERIENCE OF	3
DSGN 2001	THE CREATIVE PROCESS (COMM)	3
DSGN 2002	ART IN EVERYDAY LIFE	3
DSGN 2003	EXPLORING ART (SLAE)	3
DSGN 2005	INTRODUCTION TO DESIGN AND IMAGE	3
ENGL 1002	SING AND PRAISE: CONTEMPORARY	3
ENGL 2002	DRAMATIC LITERATURE	3
ENGL 2008	CONTEMPORARY LITERATURE	3
ENGL 2017	SHAKESPEARE ON FILM	3
ENGL 2018	THE FIRE AND THE ROSE: RELIGIOUS	3
ENGL 2021	WORLD LITERATURE I	3

ENGL 2036	AMERICAN MULTICULTURAL LIT	3
ENGL 2039	MODERN AMERICAN LITERATURE	3
ENGL 2042	SCIENCE FICTION	3
ENGL 3047	THEATER IN THE CITY	3
FILM 1025	FILM AND VISUAL STORYTELLING	3
PART 1001	MUSIC APPRECIATION I (SLAE)	3
PART 1002	MUSIC APPREC II: INTRO TO JAZZ	3
PART 1022	FUNDAMENTALS OF MUSIC I	3
PART 1045	HISTORY OF ROCK AND ROLL (SLAE)	3
PART 1055	HISTORY OF MUSICAL THEATER	3

Depth of Knowledge

Course Code	Title	Credits
INQU 3001	MEDIA AND DEMOCRACY	3
INQU 3002	ANIMAL RIGHTS	3
INQU 3003	WAR IN FILM AND LITERATURE	3
INQU 3004	CRIME, TERROR & THE ENVIRONMENT	3
INQU 3005	WHY WE FIGHT: HISTORICAL	3
INQU 3007	GAME STUDIES	3
INQU 3007H	GAME STUDIES	3
INQU 3013	AMERICAN JUSTICE	3
INQU 3015	EARLY CANADIAN HISTORY AND TALES	3
INQU 3016	THE HOLOCAUST & MODERN GENOCIDE	3
INQU 3018	FILMS, FICTIONS, & ALTERNATE HISTOR	3
INQU 3019	UNDERSTANDING AI FOR THE FUTURE	3
INQU 4001	THE CLASH OF CONSCIENCE AND	3
INQU 4003	VIRTUAL COMMUNITIES & SOCIAL MEDIA	3
INQU 4005	HISTORY AND PHILOSOPHY OF SPORTS	3
INQU 4008	MIGRATION IN THE MODERN WORLD	3
INQU 4017	DISEASES THAT CHANGED THE WORLD	3
INQU 4019	GALAPAGOS ISLANDS COMMUNITIES	3
INQU 4025	WOMEN ACROSS CULTURES	3

Foundations of Knowledge

Course Code	Title	Credits
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
ISTC 1010	DIGITAL LITERACY	3
MATH 1002	FOUNDATIONS OF QUANTITATIVE	3
MATH 1010	COLLEGE ALGEBRA	3
SPCH 1010	ORAL COMMUNICATION	3

Degrees

Design Division

Design Studies, BS

Degree Type
Major

The Bachelor of Science in Design Studies program is intended to be an advanced, design focused degree. Students have the option of selecting 1 or 2 areas of concentration within design, arts & film. They are also required to complete a design studies core, and design internship.

This program will focus on the foundation of design principles, while allowing students to build upon that knowledge with an individualized focus. This program is intended to provide the groundwork for design research and theory, setting students up for advanced studies in the discipline(s) of their choosing.

Students will complete 30 credits of discipline coursework - either 30 credits in one discipline, or 15 each in two disciplines. Discipline(s) and the courses will be selected in conjunction with the academic advisor.

Possible disciplines include: Graphic Design, Interior Architecture & Design, Film, Photography*, or History of Visual Arts*.
*can only be 15 credit disciplines.

Design Discipline(s): 1 or 2

Selected Discipline 1 (and 2 if applicable)

	Sub-Total Credits	**30**

Design Studies Business Electives

Choose from these course subjects:

Course Code	Title	Credits
	ACCT XXXX: Accounting Elective	3
	ADMG XXXX: Administration & Management Elective	3
	FINC XXXX: Finance Elective	3
	ISTC XXXX: IST Elective	3
	MRKT XXXX: Marketing Elective	3
	SCMG XXXX: Supply Chain Management Elective	3
	Sub-Total Credits	**9**

Design Studies Core

Course Code	Title	Credits
DSGN 1010	INTRO TO DESIGN STUDIES	3
DSGN 2010	DESIGN THINKING	3
DSGN 4055	CAPSTONE IN DESIGN STUDIES	3
GCDN 1023	DRAWING I (IDSN1023)	3
GCDN 1060	FOUNDATION DESIGN I (IDSN1060)	3
GCDN 1062	FOUNDATION DESIGN II (IDSN1062)	3
	Sub-Total Credits	**18**

Design/Art History

Course Code	Title	Credits
ARTH 1017	HISTORY OF ART I: PREHISTORIC	3
ARTH 1018	HIST OF ART II: RENAISSAI TO MODERN	3
ARTH 2002	HISTORY OF GRAPHIC DESIGN	3
ARTH 3020	HISTORY OF CONTEMPORARY ART	3
FILM 2010	INTERNATIONAL FILM HISTORY	3
IDSN 2032	HISTORY OF ID AND ARCHITECTURE I	3
IDSN 2039	HISTORY OF ID AND ARCH II	3
IDSN 3032	HISTORY OF ID AND ARCHITECTURE III	3
	Sub-Total Credits	**6**

	Total Credits	**63**

Graphic Design

Degree Type
Major

WHAT DOES A GRAPHIC DESIGNER DO?

Graphic designers create communications that educate, advocate and entertain. From the small hang tag on a piece of clothing to the oversized billboards in Times Square, from the books we read as children to the textbooks we learned from in school, from the magazines we read to the websites we visit and the films and videos we watch – Graphic Design is literally everywhere. For nearly 40 years, La Roche University graphic design students have gone on to become professional graphic designers, art directors, illustrators, interactive designers and publication designers. They work at firms such as Apple, American Eagle, Brunner Advertising, Lockerz and MAYA Design, creating logos and branding, designing packaging and brochures, developing ad campaigns and producing TV, web and print ads. Our current faculty, many of whom are practicing graphic designers or exhibiting artists, are able to bring their real-world knowledge back into the classroom to facilitate the best learning opportunities for our students. Our 13:1 faculty-to-student ratio allows students to connect with their professors on a level that allows them to grow and find their individual creative voice.

CURRICULUM

Our curriculum is a well-structured and rigorous program that serves as a basis for the investigative study necessary for upper-level design courses. Roughly three fourths of the coursework is in major requirements, major electives, foundation courses or art history. Students spend a considerable amount of time in studio interacting with other students and their professors, immersing themselves in their major.

To complete the Bachelor of Fine Arts (BFA) Graphic Design Program successfully, the following coursework is required:

- 72 credits of Graphic Design Major Requirements
- 15 credits of Graphic Design Major Electives
- 37 credits of CORE Curriculum courses
- successful completion of Mid-Collegiate Review

A minimum of 124 credits is required for graduation, the last 30 of which must be earned at La Roche.

Academic Standards
Students must earn a grade of C or above in all Graphic Design courses to fulfill prerequisites and degree requirements. Grades below a C, including C-, will affect participation in portfolio reviews and advancement in the curriculum.

Freshman Review
At the end of the spring semester, faculty meet with each freshman student to review his or her work. This review is informal and is an opportunity for students to discuss their first year at La Roche with the faculty.

Sophomore Review
At the end of their sophomore year, students are required to present a portfolio of their work to the Graphic Design faculty for their Sophomore Review. Students must have completed all required freshman and sophomore Graphic Design coursework, earning a C or better in each course, to be allowed to participate in the Review.

Course Rotation
Graphic Design courses are offered sequentially during the academic year and the summer as enrollment permits. Courses are also offered in the evening. Note: Students will be unable to complete the program without taking courses during the day.

Internship Requirement
All students are required to complete a three-credit internship during their junior or senior year.

Transfer Policy
Students who have completed courses at other academic institutions and wish to transfer to La Roche should contact the Graphic Design Department chair, to set up a meeting to review and evaluate their coursework. Afterboth the Registrar and the Graphic Design Department chair evaluate the student's transcript, placement within the curriculum is determined. Please note that transfer students must pass the Graphic Sophomore Review before enrolling in upper-level design courses.

Graphic Design Major Requirements

Course Code	Title	Credits
ARTH 1017	HISTORY OF ART I: PREHISTORIC	3
ARTH 1018	HIST OF ART II: RENAISSAI TO MODERN	3
ARTH 2002	HISTORY OF GRAPHIC DESIGN	3
ARTH 3020	HISTORY OF CONTEMPORARY ART	3
GCDN 1023	DRAWING I (IDSN1023)	3
GCDN 1060	FOUNDATION DESIGN I (IDSN1060)	3
GCDN 1062	FOUNDATION DESIGN II (IDSN1062)	3
GCDN 1070	DIGITAL IMAGE MAKING I	3
GCDN 1071	DIGITAL IMAGE MAKING II	3
GCDN 2008	DIGITAL PUBLICATION AND	3
GCDN 2012	TYPOGRAPHY I	3
GCDN 2016	DIGITAL PHOTOGRAPHY I	3
GCDN 2021	GRAPHIC DESIGN I	3
GCDN 2029	USER EXPERIENCE DESIGN I	3
GCDN 3022	TYPOGRAPHY II	3

GCDN 3031	GRAPHIC DESIGN II	3
GCDN 3041	GRAPHIC DESIGN III	3
GCDN 3045	USER EXPERIENCE DESIGN II	3
GCDN 3046	MULTIMEDIA	3
GCDN 3055	PROFESSIONAL PRACTICES FOR	3
GCDN 4041	SENIOR DESIGN CAPSTONE	3
GCDN 4051	INTERNSHIP I @	1-6
GCDN 4055	SENIOR DESIGN SEMINAR	3
GCDN 4058	PORTFOLIO PREPARATION	3
	Sub-Total Credits	**72**

Major Electives

Course Code	Title	Credits
CMET 3002	NEW MEDIA & DIGITAL COMMUNICA TECH	3
ENGL 2030	TECHNICAL WRITING	3
ENGL 3034	WRITING FOR ADVERTISING	3
GCDN 2038	ILLUSTRATION	3
GCDN 2040	WORD AND IMAGE	3
GCDN 3012	DIGITAL PHOTOGRAPHY III - INTERIOR	3
GCDN 3043	PACKAGING DESIGN	3
GCDN 3053	ENVIRONMENTAL GRAPHIC DESIGN	3
GCDN 3060	DIGITAL BRANDING	3
GCDN 4050	GRAPHIC DESIGN - SPECIAL TOPICS:	3
GCDN 4052	INTERNSHIP II - GRAPHIC DESIGN	1-6
MRKT 2007	ADVERTISING	3
MRKT 3012	BUYER BEHAVIOR	3
MRKT 4016	BRAND MANAGEMENT	3
	Sub-Total Credits	**15**

	Total Credits	**87**

Interior Architecture & Design

Degree Type
Major

The La Roche University Interior Architecture & Design Program believes that a successful interior design education enhances a student's innate creativity and interest in the built environment. An interior design education also effectively teaches the knowledge and skills needed to evolve holistic, thoughtfully conceived design solutions in response to humanity's aesthetic, emotional, and utilitarian design needs. The program's mission is to prepare students to perform as design professionals in our global society with a life-long desire to be at the forefront of the profession. Students are encouraged to explore creative solutions to complex problems while showcasing their own intellectual and design capabilities. Diverse studio experiences allow students to gain the confidence to advocate for design excellence and promote the importance of interior design to society.

This major prepares students for careers in commercial and residential interior design in large and small interior design and architecture firms, as well as industrial, commercial and institutional organizations. It also provides a solid foundation for students who wish to own a design firm or pursue a graduate degree in design. The Interior Architecture & Design program fosters the transition to the professional world by requiring all majors to complete an internship experience in the field prior to graduation.

Entering Interior Architecture & Design majors are required to purchase a laptop computer with software that is commonly used in the profession. Specific computer requirements for the academic year can be viewed at https://www.laroche.edu/Academics/Student_Academic_Support_Services/Canvas_and_Tech_Support/Computer_Requirements/Interior_Architecture_and_Design. These requirements are updated annually in the summer.

The Council for Interior Design Accreditation has granted accreditation to the La Roche University Interior Architecture & Design Program continuously since 1985. The University also holds National Association of Schools of Art and Design (NASAD) accreditation, which extends to the Interior Design program. Membership in the student chapter of the American Society of Interior Design (ASID);(NKBA (National Kitchen & Bath Association); and NEWH, The Hospitality Industry Network is available to all design majors.

Students must earn a grade of "C" or above in all Interior Architecture & Design major requirements to fulfill prerequisites and graduation requirements. Grades below a "C" may delay participation in portfolio reviews and advancement in the curriculum.

Interior Architecture & Design courses are offered during summer session as enrollment permits. Courses also are offered in the evening, but students are unable to complete the program without taking courses during the day.

The program is technically a four-and-one-half year curriculum because a student must earn a minimum of 127 credit hours to attain a Bachelor of Fine Arts (BFA) degree, with the last 30 credit hours earned at La Roche University. The following course work is required:

- 78 credits of interior architecture & design major requirements
- 12 credits of interior architecture & design major electives; in addition to the courses shown below, students may select electives from Graphic Design. Three of the 12 credits are business-related electives; options include accounting, advertising, management, marketing, and finance
- 37 credits of University core requirements

To complete the curriculum in four years, students must attend summer school or carry more than 15 hours a semester. (See Semester Credit Maximum for the University policy on overload.)

Interior Architecture & Design Reviews

FRESHMAN REVIEW
All students majoring in Interior Architecture & Design are required to submit work for Freshman Review. The purpose of the Freshman Review is to give the faculty an opportunity to review the student's work, talk candidly with each student about their progress to date and answer any questions they may have about their growth and success in the first year of the Interior Architecture & Design program.

Students are eligible for Freshman Review after completing the following courses with grades 'C' or above: IDSN1015, IDSN1020A, IDSN1060, IDSN1020B, IDSN1023, IDSN2032, and IDSN1011. Specific project grade requirements that may affect the outcome of the review are listed in the course syllabi. Students may advance to the Sophomore year only after successful completion of the Freshman Review process.

After The Review:

- The faculty will further discuss student work and engagement in the program to finalize results.
- A letter is sent to students with the results of the review in early summer.
- Freshman Review results in one of the following recommendations:
  - Successful/pass -- Student is invited to continue in interior architecture & design.
  - Conditional -- Student is invited to continue in interior architecture & design with stated reservations and recommended action(s) which may require work during summer and/or enroll in an additional studio course after which they may submit work again for a Freshman Re-review (Note: this option is only offered once).

SOPHOMORE REVIEW
All students majoring in Interior Architecture & Design are required to submit work for Sophomore Review. The purpose of the Sophomore Review is to give students the opportunity to speak about their work, to answer questions from faculty in an interview format and to identify areas of proficiencies and/or weaknesses.

Students are eligible for Sophomore Review after completing the following courses with grades 'C' or above: IDSN2038A, IDSN1021, IDSN2052, IDSN2038B, IDSN2045, and IDSN2039. Specific project grade requirements that may affect the outcome of the review are listed in the course syllabi. Students may advance to the Junior year only after successful completion of the Sophomore Review process.

After The Review:

- The faculty will further discuss student work and history in the program to finalize results.
- A letter is sent to students with the results of the review in early summer.
- Sophomore Review results in one of three decisions:
  - Successful/pass- student is invited to continue to major in Interior Architecture & Design.
  - Conditional - Student is required to do additional work during summer and/or enroll in an additional studio course after which they may submit work again for a Sophomore Re-review (Note: this option is only offered once).
  - Unsuccessful/fail - Student is required to change majors before the beginning of subsequent fall semester.

Art History Course

Choose 1:

Course Code	Title	Credits
ARTH 1018	HIST OF ART II: RENAISSAI TO MODERN	3
ARTH 3020	HISTORY OF CONTEMPORARY ART	3
IDSN 3015	STUDY OF GREAT AMERICAN HOUSES	3
	Sub-Total Credits	**3**

Business-Related Elective

Choose 1:

Course Code	Title	Credits
	ACCT XXXX: Accounting Elective	3
	ADMG XXXX: Administration & Management Elective	3
	FINC XXXX: Finance Elective	3
	MRKT XXXX: Marketing Elective	3
	Sub-Total Credits	**3**

Interior Architecture & Design - Major Electives

Choose 3:

Course Code	Title	Credits
	ARTH XXXX: Art History Elective	3
	GCDN XXXX: Design Elective	3
IDSN 2035	INTERIOR PHOTOGRAPHY	3
IDSN 2048	FURNITURE AND CUSTOM DETAILING	3
IDSN 3050	SUSTAINABLE BUILDING PRACTICES	3
IDSN 3055	KITCHEN AND BATH DESIGN	3
IDSN 3059	ADVANCED IDEAS SEMINAR IN ID	3
IDSN 3062	ADV COMPUTER MODELING & RENDERING	3
IDSN 4000	DIRECTED PROFESSIONAL EXPERIENCE	3
IDSN 4050C	SPECIAL TOPICS - INTERIOR DESIGN	3
IDSN 4057	INDEPENDENT STUDY-INTERIOR	1-6
	Sub-Total Credits	**9**

Interior Architecture & Design Major Requirement

Course Code	Title	Credits
IDSN 1011	INTERIOR GRAPHICS I	3
IDSN 1015	VISUAL PRESENTATION	3
IDSN 1020A	INTERIOR STUDIO I (A)	3
IDSN 1020B	INTERIOR STUDIO I (B)	3
IDSN 1023	DRAWING I (GCDN1023)	3
IDSN 1060	FOUNDATION DESIGN I (GCDN1060)	3
IDSN 2015	COMPUTER GRAPHICS FOR INTERIORS	3
IDSN 2032	HISTORY OF ID AND ARCHITECTURE I	3
IDSN 2037	TEXTILES FOR INTERIORS	3
IDSN 2038A	INTERIOR STUDIO II A	3
IDSN 2038B	INTERIOR STUDIO II B	3
IDSN 2039	HISTORY OF ID AND ARCH II	3
IDSN 2044	BUILDING TECH: CONSTRUCTION	2-3
IDSN 2045	ARCHITECTURAL RENDERING	3
IDSN 2052	BUILDING TECH: FINISH MATER & TEXTI	3
IDSN 3028A	INTERIOR STUDIO III A	3
IDSN 3028B	INTERIOR STUDIO III B	3
IDSN 3032	HISTORY OF ID AND ARCHITECTURE III	3
IDSN 3040	BUILDING TECH: LIGHTING & ELECTRICA	3
IDSN 3041	BUILDING TECH: CONTROL SYSTEMS	2
IDSN 4041	BUSINESS PRACTICES FOR ID	3
IDSN 4042	CONTRACT DOCUMENTS	3
IDSN 4051	INTERNSHIP I @	1-6
IDSN 4058	PORTFOLIO PRESENTATION	3
IDSN 4059	SENIOR DESIGN SEMINAR	3
IDSN 4060	SENIOR DESIGN CAPSTONE	3
	Sub-Total Credits	**78**
	Total Credits	**93**

Graphic Design Minor

Degree Type
Minor

The Graphic Design Minor will provide an introduction to the practice of graphic design with an emphasis on fundamental design principles, essential software knowledge and critical

design thinking skills. Students will be introduced to the history, theory and application graphic design through various social and market-based contexts.

Students will learn to use the design process to approach problems with an applied skillset of research, exploration, and conceptual prototyping skills. The graphic design minor will emphasize coursework that promotes the thoughtful exploration and application of design thinking and principles.

Core classes develop a functional understanding of image-making, knowledge of the history and functionality of letters, and layout and composition skills.

Students choose to complete their minor with either a traditional focus (sequence A)or a digital focus (sequence B). Interior Design students must complete the minor with sequence C.

REQUIREMENTS: To successfully complete the Graphic Design Minor students will complete a minimum of 18 credits, and maintain a minimum GPA of 2.0 in the minor coursework. Laptop computer and Adobe Creative Suite Software, current version.

GENERAL RESTRICTIONS: Minors must be completed within the student's graduation timeline.
Students may not major and minor in the same department (e.g., graphic design majors may not declare a graphic design minor).

Minor Required Courses

Course Code	Title	Credits
GCDN 1070	DIGITAL IMAGE MAKING I	3
GCDN 1071	DIGITAL IMAGE MAKING II	3
GCDN 2012	TYPOGRAPHY I	3
	Sub-Total Credits	**9**

Sequence A & B: Minor Electives

Choose 1 course:

Course Code	Title	Credits
GCDN 2016	DIGITAL PHOTOGRAPHY I	3
GCDN 2038	ILLUSTRATION	3
GCDN 3046	MULTIMEDIA	3
GCDN 3060	DIGITAL BRANDING	3
	Sub-Total Credits	**3**

Sequence A: Traditional Focus

Course Code	Title	Credits
GCDN 2008	DIGITAL PUBLICATION AND	3
GCDN 2021	GRAPHIC DESIGN I	3
	Sub-Total Credits	**6**

Sequence B: Digital Focus

Course Code	Title	Credits
GCDN 2029	USER EXPERIENCE DESIGN I	3
GCDN 3045	USER EXPERIENCE DESIGN II	3
	Sub-Total Credits	**6**

Sequence C: For Interior Design Majors

Course Code	Title	Credits
GCDN 2008	DIGITAL PUBLICATION AND	3
GCDN 2021	GRAPHIC DESIGN I	3
GCDN 3053	ENVIRONMENTAL GRAPHIC DESIGN	3
	Sub-Total Credits	**9**

	Total Credits	**33**

History of Visual Arts

Degree Type
Minor

The visual art has the power to enrich experiences and culture and is part of the historical record of every civilization on earth. The History of Visual Art minor enables students to engage with visual art across multiple creative disciplines and understand the role that they have played in shaping history.

NOTE: Students need to declare this minor by the end of their sophomore year due to course rotations.

REQUIREMENTS: To successfully complete the History of Visual Arts Minor students will complete a minimum of 18 credits, and maintain a minimum GPA of 2.0 in the minor coursework. Choose from Track 1, 2, or 3, depending on your major.

Track 1

For Non-Interior Design or Non-Graphic Design Majors
Required Courses

Course Code	Title	Credits
ARTH 1017	HISTORY OF ART I: PREHISTORIC	3

ARTH 1018	HIST OF ART II: RENAISSAI TO MODERN	3
	Sub-Total Credits	**6**

Minor Electives

Choose 1 course:

Course Code	Title	Credits
DSGN 1013	INTRO TO PHOTOGRAPHY (SLAE)	3
DSGN 1015	THE AESTHETIC EXPERIENCE OF	3
GCDN 1023	DRAWING I (IDSN1023)	3
GCDN 2005	DIGITAL FINE ARTS	3
	Sub-Total Credits	**3**

Minor Electives

Choose 3 courses:

Course Code	Title	Credits
ARTH 2002	HISTORY OF GRAPHIC DESIGN	3
ARTH 3016	HISTORY OF FILM (GCDN3016)	3
ARTH 3020	HISTORY OF CONTEMPORARY ART	3
IDSN 2032	HISTORY OF ID AND ARCHITECTURE I	3
IDSN 2039	HISTORY OF ID AND ARCH II	3
IDSN 3032	HISTORY OF ID AND ARCHITECTURE III	3
PART 1045	HISTORY OF ROCK AND ROLL (SLAE)	3
PART 2010	DANCE HISTORY I	3
PART 2015	DANCE HISTORY II	3
PART 1055	HISTORY OF MUSICAL THEATER	3
	Sub-Total Credits	**9**

Track 2

For Graphic Design Majors Required Courses

Course Code	Title	Credits
ARTH 1017	HISTORY OF ART I: PREHISTORIC	3
ARTH 1018	HIST OF ART II: RENAISSAI TO MODERN	3
	Sub-Total Credits	**6**

Minor Electives

Choose 1 course:

Course Code	Title	Credits
DSGN 1015	THE AESTHETIC EXPERIENCE OF	3
GCDN 2005	DIGITAL FINE ARTS	3
	Sub-Total Credits	**3**

Minor Electives

Choose 3 courses:

Course Code	Title	Credits
IDSN 2032	HISTORY OF ID AND ARCHITECTURE I	3
IDSN 2039	HISTORY OF ID AND ARCH II	3
IDSN 3032	HISTORY OF ID AND ARCHITECTURE III	3
PART 1045	HISTORY OF ROCK AND ROLL (SLAE)	3
PART 2010	DANCE HISTORY I	3
PART 2015	DANCE HISTORY II	3
PART 1055	HISTORY OF MUSICAL THEATER	3
	Sub-Total Credits	**9**

Track 3

For Interior Design Majors Required Courses

Course Code	Title	Credits
IDSN 2032	HISTORY OF ID AND ARCHITECTURE I	3
IDSN 2039	HISTORY OF ID AND ARCH II	3
	Sub-Total Credits	**6**

Minor Electives

Choose 1 course:

Course Code	Title	Credits

DSGN 1013	INTRO TO PHOTOGRAPHY (SLAE)	3
DSGN 1015	THE AESTHETIC EXPERIENCE OF	3
GCDN 2005	DIGITAL FINE ARTS	3
	Sub-Total Credits	**3**

Minor Electives

Choose 3 courses:

Course Code	Title	Credits
ARTH 2002	HISTORY OF GRAPHIC DESIGN	3
ARTH 3016	HISTORY OF FILM (GCDN3016)	3
PART 1045	HISTORY OF ROCK AND ROLL (SLAE)	3
PART 2010	DANCE HISTORY I	3
PART 2015	DANCE HISTORY II	3
PART 1055	HISTORY OF MUSICAL THEATER	3
	Sub-Total Credits	**9**

	Total Credits	**18**

Photography

Degree Type
Minor

A minor in photography will provide experiences directed towards the development of photographical skills: camera operation, digital editing and technology practices, composition strategies, and creative, artistic and aesthetic sensibilities.

The photography minor will benefit any student with a sustained interest in photography by providing a practical mix of artistic and commercial experiences. It is especially useful to those students majoring in Marketing,

Communication Media and Technology, Professional Writing, Graphic Design, and Interior Design.

REQUIREMENTS: To successfully complete the Photography Minor, students will complete a minimum of 15 credits, and maintain a minimum GPA of 2.0 in the minor coursework.

GENERAL RESTRICTIONS: Minors must be completed within the student's graduation timeline.

Minor Requirements

Course Code	Title	Credits
GCDN 2016	DIGITAL PHOTOGRAPHY I	3
GCDN 2042	DIGITAL PHOTOGRAPHY II: EXTERIOR	3
GCDN 3012	DIGITAL PHOTOGRAPHY III - INTERIOR	3
GCDN 3040	PHOTOGRAPHY - SPECIAL TOPICS:	3
GCDN 4028	DIGITAL PHOTOGRAPHY IV - PORTFOLIO	3
	Total Credits	**15**

Education and Nursing Division

Doctor of Nursing Practice

Degree Type
Doctoral Degree

The Doctor of Nursing Practice (DNP) program is designed for experienced nurses who want to develop their expertise in the rapidly evolving field of healthcare. With a focus on evidence-based practice and leadership, our curriculum will prepare you to make a real impact on patient outcomes and healthcare policy. As a student in our program, you'll work closely with our experienced faculty and network with other nursing professionals. You'll also have the opportunity to conduct research in a variety of areas from public health to chronic disease management.

Admission Criteria:

- MSN or comparable nursing degree from an accredited program
- Minimum GPA of 3.0
- Current, unrestricted nursing license from the state where clinical coursework will be completed
- National certification in area of nursing specialty, if applicable
- At least one year of professional experience as a registered nurse
- Completion of an undergraduate or graduate research course within the last 10 years
- Completion of an undergraduate or graduate statistics course within the last 10 years

- Submission of curriculum vitae and three professional references
- Submission of one essay:
  - Essay focusing on the applicant's area of research interest and proposed doctoral project
- Successful completion of interview with the DNP committee
- Documentation of clinical experience

The program is offered full-time in 3 semesters (one full year) or part-time in 6 semesters (two full years).

REQUIREMENTS: To successfully complete the Doctor of Nursing Practice degree, the following coursework is required: **29 credits**. One thousand (1,000) practicum hours are required. Master's level nurses will provide clinical hour documentation at the beginning of the program and submit the documentation to the program coordinator for review. All DNP students must demonstrate accomplishment of the DNP Essentials throughout the program.

Required Courses

Course Code	Title	Credits
DNPR 7000	HEALTHCARE STATISTICS	3
DNPR 7001	EVAL & DECIS MAKING FOR HLTH SERVIC	3
DNPR 7002	SYSTEMATIC LEADERSHIP I	3
DNPR 7003	HEALTH POLICY & HLTH CARE ECONOMICS	3
DNPR 7004	SYSTEMATIC LEADERSHIP II	3
DNPR 7005	EDUC CONCEP & PRACTI IN HIGHER EDUC	3
DNPR 7006	DOCTORAL PRACTICUM I	3
DNPR 7007	DOCTORAL PRACTICUM II	3
DNPR 7008	DOCTORAL PRACTICUM III	3
DNPR 7024	SCHOLARLY WRITING	2
	Total Credits	**29**

PreK-4 Education

Degree Type
Major

A major in PreK-4 Education is meant to prepare students for a career as a highly qualified PreK-4 teacher in Pennsylvania. To earn state teaching certification, students must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education.

To successfully complete the PreK-4 Education Major, the following coursework is required:

- 79 credits of Required Coursework
- 37 CORE Credits
- 4 General Elective Credits
- A minimum number of 120 credits are required for the degree, the last 30 of which, and 50% of the major must be earned at La Roche University. Developmental course work does not count toward the minimum number of required credits for graduation.

NOTE: Education majors enter La Roche as a **candidate** for the teaching certification programs. In order to become an **Official Education Major**, students must complete the following requirements by the time they earn 60 total credits (including transferable credits):

- Overall GPA of at least 3.0
- Security Clearances within the past six months
  - PA Child Abuse History Clearance
  - PA State Police Criminal Record Check
  - FBI Fingerprinting CheckE
- Basic Skills Requirement
  - Passing scores for Reading, Writing, and Math exams (could include eligible scores from SAT, ACT, PAPA, and CORE)

Education Requirements:

Course Code	Title	Credits
EDEL 2000	FOUNDATIONS OF EARLY	3
EDSP 2015	INTRO TO HIGH INCIDENCE DISABILITIE	3
EDSP 2025	LEARNING ENVIRONMENTS AND	3
EDUC 1010	INTRO TO EDUCATION AND FIELD	3
EDUC 2000	SUPPORTING MULTILINGUAL LEARNERS	3
EDUC 2010	INITIAL FIELD EXPERIENCE	2
EDUC 2015	INTEGRATING THE ARTS THROUG CURRICU	1
EDUC 2020	TEACHING SOCIAL STUDIES	3
EDUC 2025	CHILDREN'S LITERATURE	3
EDUC 2030	INTEGR HEALTH & WELLNESS IN CURRICU	1
MATH 2000	MATHEMATICS FOR LIBERAL ARTS	3
PSYC 1021	INTRO TO PSYCHOLOGY	3

PSYC 2022	CHILD DEVELOPMENT	3
PSYC 2061	EDUCATIONAL PSYCHOLOGY	3
SOCL 3027	FAMILY RELATIONS	3
	Sub-Total Credits	**39**

Education Requirements:

Official Major Status Required:

Course Code	Title	Credits
EDEL 4075	STUDENT TEACHING & SEMINAR (PK-4)	6
EDSP 3010	LITERACY INSTRUCTION AND	3
EDSP 3040	EVALUATION AND ASSESSMENT	3
EDSP 4015	DEVELOPMENT OF THE IEP AND	3
EDUC 3005	PRIMARY LITERACY METHODS AND	3
EDUC 3010	PRIMARY MATH METHODS AND	3
EDUC 3020	INTERMEDIATE LITERACY METH & PRACTI	3
EDUC 3025	INTERM MATH METHODS & PRACTICUM	3
EDUC 3030	INQUIRY BASED SCIENCE METHODS	3
EDUC 4005	EDUCATIONAL PARTNERSHIPS AND	3
	Sub-Total Credits	**40**
	Total Credits	**79**

PreK-12 Special Education

Degree Type
Major

A major in PreK-12 Special Education is meant to prepare students for a career as a highly qualified Special Education teacher in Pennsylvania. To earn state teaching certification, students must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education.

To successfully complete the Special Education major, the following coursework is required:

- 81 credits of Required Coursework
- 37 CORE Credits
- 2 General Elective Credits
- A minimum number of 120 credits are required for degree, the last 30 of which, and 50% of the major must be earned at La RocheUniversity. Developmental course work does not count toward the minimum number of required credits for graduation.

NOTE: Education majors enter La Roche as a **candidate** for the teaching certification programs. In order to become an **Official Education Major**, students must complete the following requirements by the time they earn 60 total credits (including transferable credits):

- Overall GPA of at least 3.0
- Security Clearances within the past six months
  - PA Child Abuse History Clearance
  - PA State Police Criminal Record Check
  - FBI Fingerprinting Check
- Basic Skills Requirement
- Passing scores for Reading, Writing, and Math exams (could include eligible scores from SAT, ACT, PAPA, and CORE)

Education Requirements

Course Code	Title	Credits
EDSP 2015	INTRO TO HIGH INCIDENCE DISABILITIE	3
EDSP 2025	LEARNING ENVIRONMENTS AND	3
EDSP 3015	INTRO TO LOW INCIDENCE DISABILITIES	3
EDUC 1010	INTRO TO EDUCATION AND FIELD	3
EDUC 2000	SUPPORTING MULTILINGUAL LEARNERS	3
EDUC 2010	INITIAL FIELD EXPERIENCE	2
EDUC 2020	TEACHING SOCIAL STUDIES	3
EDUC 2025	CHILDREN'S LITERATURE	3
MATH 2000	MATHEMATICS FOR LIBERAL ARTS	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
PSYC 2022	CHILD DEVELOPMENT	3
PSYC 2061	EDUCATIONAL PSYCHOLOGY	3
PSYC 3152	APPLIED BEHAVIOR ANALYSIS	3
	Sub-Total Credits	**38**

Education Requirements

Official Major Status Required

Complete 12 credits total of EDSP4070, Special Ed Student Teaching & Seminar.

Course Code	Title	Credits
EDSP 3010	LITERACY INSTRUCTION AND	3
EDSP 3025	EFF INSTRUCT STRAT STUDE DISABILITI	3
EDSP 3035	SPECIAL EDUCATION PRACTICUM	2
EDSP 3040	EVALUATION AND ASSESSMENT	3
EDSP 4010	TRANSITION PLANNING FOR	2
EDSP 4015	DEVELOPMENT OF THE IEP AND	3
EDUC 3005	PRIMARY LITERACY METHODS AND	3
EDUC 3010	PRIMARY MATH METHODS AND	3
EDUC 3020	INTERMEDIATE LITERACY METH & PRACTI	3
EDUC 3025	INTERM MATH METHODS & PRACTICUM	3
EDUC 4005	EDUCATIONAL PARTNERSHIPS AND	3
EDSP 4070	SPECIAL EDUC STUDENT TEACH (PK-12)	6
EDSP 4070	SPECIAL EDUC STUDENT TEACH (PK-12)	6
	Sub-Total Credits	**43**
	Total Credits	**81**

RN to BSN Degree Completion Program

Degree Type
Major

The baccalaureate program is designed to offer registered nurse students (graduates from diploma and associate degree programs) the opportunity to complete a professional degree that focuses on the scholarly approach to the discipline of nursing. This is an 18-month online program*. The baccalaureate program provides a foundation for graduate education in nursing.

The bachelor of science degree program for registered nurses is accredited by the:
Accreditation Commission for Education in Nursing, Inc.
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

Students Admitted to the Current/Revised Curriculum

The program is open only to registered nurses and requires 120 credits for graduation. To complete the nursing major successfully, the following course work is required:

- 24 prerequisite credits which must include 12 science credits
- 36 credits Nursing Mobility Profile II (NCLEX)
- 30 liberal arts credits (includes 9 credits of general electives)
- 30 nursing component credits (18 credits of which are required; 12 credits of nursing electives)

A minimum of 120 credits is required for graduation, the last 30 of which must be earned at La Roche University. Students must achieve a minimum of a "C" grade in each nursing course.

REQUIREMENTS FOR ADMISSION

1. General Admission Requirements

   Students who apply for acceptance to the BSN program must apply to the Graduate Studies and Adult Education Office and submit the following:

   - Copy of current RN license
   - Official transcripts from all educational programs
   - Overall GPA of 2.5 or above from previous educational program
   - Two letters of reference from a person who can address the applicant's nursing ability and ability to achieve in an academic program. (For example, from an employer, instructor, or clergy).
   - Essay describing professional and academic goals

2. International Student Admission Requirements

   Students who apply for acceptance into the RN to BSN program need to apply directly to the International Admissions Office and submit the following:

- Complete the Commission on Graduates of Foreign Nursing Schools (CGFNS) process to evaluate the international license to practice nursing and any educational program transcripts.
- Copy of US Nursing License (to complete practicum hour requirement in the program).
- Overall cumulative GPA of 2.5 or better from previous educational program
- Test of English as a Foreign Language Exam (TOEFL) score on written exam of 600 or internet exam of 100.
- Official transcripts from all educational programs attended
- Two letters of reference from a person who can address the applicant's nursing ability and ability to achieve in an academic program. (For example, from an employer, instructor, or clergy).
- Essay describing professional and academic goals

RN-MSN Program

The RN-MSN option provides an opportunity for associate degree and diploma prepared nurses to obtain the MSN. The program is entirely **online*** and allows nurses interested in advance roles to move more directly into such positions as nurse administrator, nurse educator, or clinical nurse leader. All RN to MSN students must have a 3.0 GPA when entering the MSN segment of the program.

The advantage to enrolling in the RN-MSN is the credits required in the BSN are decreased and the transition to MSN is quicker. The BSN degree curriculum is reduced by two elective courses and the student is able to take two graduate courses at the undergraduate tuition rate. Students may take the first two graduate courses at the completion of the BSN requirements.

The Bachelor of Science in Nursing is awarded upon the successful completion of 6 credits of graduate level courses.

* International students must meet the on-campus component for this program.

College or Diploma Program Credits/ Prerequisites

24 credits required, 12 must be natural science credits:

Course Code	Title	Credits
BIOL 1015	MICROBIOLOGY FOR HEALTH SCIENCES	3
BIOL 1023	HUMAN ANATOMY AND PHYSIOLOGY I	3
BIOL 1023L	HUMAN ANAT & PHYSIO I LAB	1
BIOL 1024	HUMAN ANATOMY AND PHYSIOLOGY II	3
BIOL 1024L	HUMAN ANAT & PHYSIO II LAB	1
CHEM 1007	PRINCIPLES OF CHEMISTRY I	3
ENGL 1011	ACADEMIC READING AND WRITING	3
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
	Sub-Total Credits	**24**

Liberal Arts Component

Course Code	Title	Credits
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
	ENGL XXXX: English Elective	3
	HIST XXXX: History Elective	3
ISTC 1010	DIGITAL LITERACY	3
MATH 1004	STATISTICS IN HEALTH CARE	3
PHIL 1021	INTRO TO PHILOSOPHY	3
PHIL 3027	BIOMEDICAL ETHICS	3
	Sub-Total Credits	**21**

Nursing Component Required Courses

Course Code	Title	Credits
NURU 3021	LEADERSHIP IN NURSING PRACTICE	3
NURU 3023	EVIDENCE BASED PRACTICE AND	3
NURU 3030	HEALTH PROMOTION IN NURSING	3
NURU 3035	QUALITY AND SAFETY IN HEALTHCARE	3
NURU 3036	INTRO TO HEALTH POLICY	3
NURU 4021	COMMUNITY NURSING	3
	Sub-Total Credits	**18**

Nursing Component

Select 12 credits from the following electives:

Course Code	Title	Credits

NURU 3028	HEALTH CARE FOR OLDER ADULTS	3
NURU 4012	INTRO TO NURSING INFORMATICS	3
NURU 4020	CURRENT ISSUES IN NURSING	3
NURU 4024	ALTERNATIVE AND COMPLEMENTARY	3
NURU 4026	ETHICAL AND LEGAL ASPECTS IN	3
NURU 4027	HEALTH CARE FOR WOMEN	3
NURU 4032	PALLIATIVE AND END-OF-LIFE	3
NURU 4037	HEALTH CARE FOR MEN	3
	Sub-Total Credits	**12**
	Total Credits	**75**

Clinical Mental Health Counseling

Degree Type
Master's Degree

The program is offered full-time in a two-year cycle or part-time in a four-year cycle which is typically 2 courses per semester determined by course offerings. The CMHC program at La Roche prepares students to address complicated issues of social justice and healthy mental functioning with an approach that combines theory, technique, and practical experiences. This program prepares students to sit for the National Counselor Exam (NCE).

REQUIREMENTS: To successfully complete the M.S. Clinical Mental Health Counseling degree, students must complete 60 credits embedded with at least 700 hours of clinical practice.

Year 1 - Fall

Course Code	Title	Credits
CMHC 5000	FOU OF CLINICAL MENTAL HEALTH COUNS	3
CMHC 5010	COUNSELING ACROSS DIVERSE CULTURES	3
CMHC 5020	SOCIAL SYSTEMS IN COUNSELING	3
CMHC 5030	ETHICAL, LEGAL, AND PROFESSIONAL	3
	Sub-Total Credits	**12**

Year 1 - Spring

Course Code	Title	Credits
CMHC 5040	COUNSELING ACROSS THE LIFESPAN	3
CMHC 5050	GROUP COUNSELING: THEORY & TECH LAB	3
CMHC 5060	MARRIAGE, COUPLES, FAMILIES COUNSEL	3
	Sub-Total Credits	**9**

Year 1 - Summer

Course Code	Title	Credits
CMHC 5070	COUNSELING THEORIES AND THERAPEUTIC	3
CMHC 5080	RESEARCH METHODS, DESIGN AND STAT	3
CMHC 5090	PSYCHOTHERAPEUTIC ASPECTS OF HUMAN	3
CMHC 6000	CAREER COUNSELING & VOCATIONAL DEV	3
	Sub-Total Credits	**12**

Year 2 - Fall

Course Code	Title	Credits
CMHC 6010	COUNSELING PRACTICUM	3
CMHC 6020	DIAGNOSIS AND TREATMENT PLANNING	3
CMHC 6030	CLINICAL SUPERVISION IN COUNSELING	3
	Sub-Total Credits	**9**

Year 2 - Spring

Course Code	Title	Credits
CMHC 6040	COUNSELING INTERNSHIP I	3
CMHC 6050	CHILD AND ADOLESCENT COUNSELING	3
CMHC 6060	PSYCHOLOGICAL TESTING	3
	Sub-Total Credits	**9**

Year 2 - Summer

Course Code	Title	Credits
CMHC 6070	COUNSELING INTERNSHIP II	3

CMHC 6080	CRISIS, TRAUMA AND DISASTER COUNSEL	3
CMHC 6090	ADDICTIONS COUNSELING	3
	Sub-Total Credits	**9**
	Total Credits	**60**

Deaf Education

Degree Type
Master's Degree

The Master of Art in Deaf Education program is a post-baccalaureate 30-credit Master of Art degree with special Education, Hearing Impaired PK-12 certification. This unique program follows an apprenticeship model with courses offered by a consortium of universities (LRU, Robert Morris University (RMU), Minot State University (North Dakota) and Utah State University) to meet PDE requirements for certification. Students will be working as a teacher's aide/apprentices at the sponsor school, DePaul School for Hearing and Speech during the school hours. This position will fulfill the field experience competencies set forth by PDE. Seminars and coursework will be conducted in a hybrid format and may occur face-to- face or virtually/online.

The institution instructing the course is indicated in the course title. La Roche University is the home, degree-granting institution. As a consortium agreement, all grades will be sent to La Roche and recorded for a letter grade on the La Roche transcript, and are not viewed as transfer credits per this agreement.

Requirements for Program Entry, CANDIDATES MUST:

- BA or BS degree from an accredited college or university
- Minimum 3.0 overall undergraduate GPA
- Be a U.S. Citizen
- Provide copies of TB test results
- Security Clearances within the past six months:
  - PA Child Abuse History Clearance
  - PA State Police Criminal Record Check
  - FBI Fingerprinting Check

Program Notes:

- Upon completion of the first semester and the assignment of grades, the teacher candidate will apply for candidacy. Candidacy requires a 3.0 GPA in the program, clear clearances, and TB test results.
- Industry & Labor documentation will be addressed through the sponsor school (DePaul).
- Taking the content Praxis exam(s) is required prior to the student teaching/Apprenticeship III course (Fundamental Subjects: Content Knowledge 5511 and Special Education: Education of Deaf and Hard of Hearing Students 5272). Candidates must pass the Praxis exams to pass the Apprenticeship III course and apply to the PDE for certification.
- Students will apply through TIMS for PA Certification.
- The University program requirements are subject to change in order to comply with new or revised PDE mandates.

REQUIREMENTS: To successfully complete the Master of Arts in Teaching, the following graduate coursework is required:

- 21 credits of coursework
- 9 credits of Apprenticeship
- While enrolled in the MA Deaf Education program, students must continue to have:
  - A 3.0 cumulative GPA
  - Current Act 34/Act 151 Clearances and Act 114 FBI Fingerprinting
  - TB Test (must be renewed annually)
  - Proof of Liability Insurance– PSEA, Council for Exceptional Children, or Private Insurance

Deaf Education Program Requirements

Course Code	Title	Credits
EDDE 5010	INTRO TO DEAF EDUC, IEPS & APPREN I	3
EDDE 5520	@MINOT STATE: ASL/SIGN LANGUAGE	3
EDDE 6010	APPRENTICESHIP II & SEMINAR	3
EDDE 6020	APPRENTICESHIP III & SEMINAR	3
EDDE 6045	@ RMU: TRANSITIONING	3
EDDE 6060	@RMU: CURRICULUM DES & ASSESSMENT	3
EDDE 6070	@RMU: COMMUNICATION & SPEC EDUC	3
EDDE 6320	@UTAH ST: LANG LEARN & LITERAC ACQ	3
EDDE 6340	@UTAH ST: LISTENING & SPOKEN LANGU	3
EDDE 6400	@ RMU: READING ACROSS THE CURRICULU	3
	Total Credits	**30**

Direct Entry Master of Science in Nursing

Degree Type
Master's Degree

La Roche University Direct Entry Master of Science in Nursing (DEMSN) program is designed to offer second degree students the opportunity to enter the nursing profession. The DEMSN can be completed in five semesters and offers on campus learning and hands-on lab and clinical experiences with flexible online coursework.

After graduation, students will be prepared to take the National Council Licensure Exam for Registered Nurses (NCLEX-RN®) and enter the profession as MSN qualified nurses without specialization.

The Direct Entry Master of Science in Nursing program (DEMSN) is approved by the PA State Board of Nursing and accreditation by the:

Accreditation Commission for Education in Nursing, Inc.
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

ADMISSION REQUIREMENTS FOR THE DEMSN PROGRAM

1. Baccalaureate degree from an accredited institution
2. Transcripts from educational institutions attended
3. Clearances (within 6, months Prior to admission)
4. Current basic life support training from the American Heart Association (AHA) or American Red Cross
5. Undergraduate GPA of 3.0 or greater (Last 60 credits)
6. Completed Department of Nursing health form and physical
7. Completion of the following pre-requisites *from an approved institution* with a C or better within 7 years:
   - Human Anatomy & Physiology I (with Lab component)
   - Human Anatomy & Physiology II (with Lab component)
   - Microbiology (with lab component)
   - Chemistry
8. ATI TEAS composite score of 70% or higher and a score of 65% in the English Language and Usage section (taken within the last year).

1st Semester

Course Code	Title	Credits
NURN 5101	PROF NURSING PRACTICE: ESSENTIALS	3
NURN 5103	PROF NURSING PRACTICE: FUNDAMENTALS	3
NURN 5103C	PROF NURS PRACT: FUNDAMENT CLINICAL	2
NURN 5105	ESSENTIALS OF PHARMACOLOGY	3
NURN 5105L	ESSENTIALS OF PHARMACOLOGY-LAB	1
NURN 5107	INQUIRY AND EVIDENCE IN	3
	Sub-Total Credits	**15**

2nd Semester

Course Code	Title	Credits
NURN 5109	PROF NURSING PRACTICE: ADULT I	4
NURN 5109C	PROF NURS PRACT: ADULT I - CLINICAL	2
NURN 5111	SPEC CONSID IN CARE OF OLDER ADULT	3
NURN 5113	PUBLIC HEALTH AND EPIDEMIOLOGY	3
NURN 5115	QUALITY IMPROV & SAFETY IN HEALTHCA	3
	Sub-Total Credits	**15**

3rd Semester

Course Code	Title	Credits
NURN 5017	COMPREHENSIVE HEALTH ASSESSMENT	3
NURN 5117	PROF NURSING PRACTICE: ADULT II	3
NURN 5117C	PROF NURS PRACTICE: ADULT II CLINIC	2
NURN 5119	PROF NURSING PRACTICE:MENTAL HEALTH	3
NURN 5119C	PROF NUR PRACT:MENTAL HEALTH CLINIC	2
NURN 5121	RESEARCH METHODS	3
	Sub-Total Credits	**16**

4th Semester

Course Code	Title	Credits

NURN 5009	COMPREHENSIVE PATHOPHYSIOLOGY	3
NURN 5123	PROF NURSING PRACTICE: ADULT III	3
NURN 5123C	PROF NURS PRAC: ADULT III -CLINICAL	2
NURN 5124C	PROF NUR: MATERNAL NEWBORN CLINICAL	1
NURN 5125	PROF NURSING PRACTICE:WOMEN & CHILD	3
NURN 5126C	PROF NURS PRACT: PEDIATRIC CLINICAL	1
NURN 5127	HEALTH PROMOTION ACROSS THE LIFESPA	3
	Sub-Total Credits	**16**

5th Semester

Course Code	Title	Credits
NURN 5004	THEORY & PROF NURSING PRACTICE	3
NURN 5007	COMPREHENSIVE PHARMACOLOGY	3
NURN 5012	HEALTH POLICY & GLOBAL CONSIDERATIO	3
NURN 5129	PROF NURS PRACT: NURSING PRACTICUM	1
NURN 5129C	PROF NURS: NURS PRACTICUM CLINICAL	2
NURN 5131	NURSING LEADERSHIP	3
	Sub-Total Credits	**15**

	Total Credits	77

Education

Degree Type
Minor

Minors are offered as opportunities for students to fulfill career or personal interests, and/or to facilitate in-depth study in a field of secondary interest. In particular, the Education minor would be especially valuable for students interested in working in an educational setting, including majors such as Child and Family Studies, Psychology, and Sociology. An Education minor would also be beneficial for those students who may pursue teaching certification at the post-baccalaureate level, including students in academic content areas such as Biology, Chemistry, English, History or Mathematics who are interested in secondary teaching certification after graduating with a bachelor's degree in their subject area.

Minors must be completed within the student's graduation timeline, and students may not major and minor in the same department.

The Education minor requires 21 credits.

Minor Electives

Select 9 credits:

Course Code	Title	Credits
EDEL 2000	FOUNDATIONS OF EARLY	3
EDML 2000	FOUNDATIONS OF MIDDLE LEVEL	1
EDSP 3015	INTRO TO LOW INCIDENCE DISABILITIES	3
EDUC 2000	SUPPORTING MULTILINGUAL LEARNERS	3
EDUC 2015	INTEGRATING THE ARTS THROUG CURRICU	1
EDUC 2020	TEACHING SOCIAL STUDIES	3
EDUC 2025	CHILDREN'S LITERATURE	3
EDUC 2030	INTEGR HEALTH & WELLNESS IN CURRICU	1
PSYC 3152	APPLIED BEHAVIOR ANALYSIS	3
SASU 3035	EXPL GLBL EDUCATION SYST STD ABROAD	1
SOCL 3027	FAMILY RELATIONS	3
SOCL 3050	EDUCATION AND SOCIETY	3
	Sub-Total Credits	**9**

Minor Requirements

Course Code	Title	Credits
EDSP 2015	INTRO TO HIGH INCIDENCE DISABILITIE	3
EDUC 1010	INTRO TO EDUCATION AND FIELD	3
PSYC 2061	EDUCATIONAL PSYCHOLOGY	3
	Sub-Total Credits	**9**

	Total Credits	**18**

PreK-4 Education with PreK-12 Special Education

Degree Type
Minor

A major in PreK-4 Education with PK-12 Special Education is meant to prepare students for a career as a highly qualified PreK-4 teacher with dual certification in PK-12 Special Education in Pennsylvania. To earn state teaching certification, students must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education.

PreK-4 Education with PK-12 Special Education Major, the following coursework is required:

- 89 credits of Required Coursework
- 37 CORE Credits
- A minimum number of 126 credits are required for the degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. Developmental course work does not count toward the minimum number of required credits for graduation.

NOTE: Education majors enter La Roche as a **candidate** for the teaching certification programs. In order to become an **Official Education Major**, students must complete the following requirements by the time they earn 60 total credits (including transferable credits):

- Overall GPA of at least 3.0
- Security Clearances within the past six months
  - PA Child Abuse History Clearance
  - PA State Police Criminal Record Check
  - FBI Fingerprinting Check
- Basic Skills Requirement
  - Passing scores for Reading, Writing, and Math exams (could include eligible scores from SAT, ACT, PAPA, and CORE)

Education Requirements

Course Code	Title	Credits
EDEL 2000	FOUNDATIONS OF EARLY	3
EDSP 2015	INTRO TO HIGH INCIDENCE DISABILITIE	3
EDSP 2025	LEARNING ENVIRONMENTS AND	3
EDSP 3015	INTRO TO LOW INCIDENCE DISABILITIES	3
EDUC 1010	INTRO TO EDUCATION AND FIELD	3
EDUC 2000	SUPPORTING MULTILINGUAL LEARNERS	3
EDUC 2010	INITIAL FIELD EXPERIENCE	2
EDUC 2015	INTEGRATING THE ARTS THROUG CURRICU	1
EDUC 2020	TEACHING SOCIAL STUDIES	3
EDUC 2025	CHILDREN'S LITERATURE	3
EDUC 2030	INTEGR HEALTH & WELLNESS IN CURRICU	1
MATH 2000	MATHEMATICS FOR LIBERAL ARTS	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
PSYC 2022	CHILD DEVELOPMENT	3
PSYC 2061	EDUCATIONAL PSYCHOLOGY	3
SOCL 3027	FAMILY RELATIONS	3
	Sub-Total Credits	**43**

Education Requirements

Official Major Status Required

Course Code	Title	Credits
EDEL 4075	STUDENT TEACHING & SEMINAR (PK-4)	6
EDSP 3010	LITERACY INSTRUCTION AND	3
EDSP 3025	EFF INSTRUCT STRAT STUDE DISABILITI	3
EDSP 3035	SPECIAL EDUCATION PRACTICUM	2
EDSP 3040	EVALUATION AND ASSESSMENT	3
EDSP 4010	TRANSITION PLANNING FOR	2
EDSP 4015	DEVELOPMENT OF THE IEP AND	3
EDSP 4070	SPECIAL EDUC STUDENT TEACH (PK-12)	6
EDUC 3005	PRIMARY LITERACY METHODS AND	3
EDUC 3010	PRIMARY MATH METHODS AND	3
EDUC 3020	INTERMEDIATE LITERACY METH & PRACTI	3
EDUC 3025	INTERM MATH METHODS & PRACTICUM	3

EDUC 3030	INQUIRY BASED SCIENCE METHODS	3
EDUC 4005	EDUCATIONAL PARTNERSHIPS AND	3
	Sub-Total Credits	**46**
	Total Credits	**89**

Family Nurse Practitioner

Degree Type
Post Master's Certificate

Family Nurse Practitioner Post Master's Certificate Admission Criteria:

- BSN and MSN from an accredited program or MSN only, if the direct-entry nursing program was at the masters degree level.
- GPA of 3.0 or better from Master's program
- At least 1 year of professional experience as a registered nurse.
- Hold an active unrestrictive PA RN license

Our FNP program is designed for nurses who are seeking to advance their education and training as professional nurses. As a Family Nurse

Practitioner, you will play a critical role in providing primary care services to patients across the lifespan, from birth to end of life.

Our program is structured to provide students with a comprehensive education in advanced nursing practice, including diagnostic and treatment

skills, decision making, health promotion and disease prevention, and the ability to work independently and collaboratively with other healthcare

providers. With a focus on evidence-based practice and patient-centered care, our FNP program prepares graduates to provide high-quality,

compassionate care to patients and their families.

REQUIREMENTS: To successfully complete the Post Master's Certificate in Family Nurse Practitioner, the following coursework is required:

- 30 credits

Semester 1 - Summer Start

Course Code	Title	Credits
FNPC 6000	ADVANCED PATHOPHYSIOLOGY	3
FNPC 6005	HEALTH PROMOTION & DISEASE PREVENTI	2
	Sub-Total Credits	**5**

Semester 2 - Fall

Course Code	Title	Credits
FNPC 6010	ADVANCED PHARMACOLOGY	3
FNPC 6015	COMP HEALTH ASSES & CL DECIS MAKING	3
	Sub-Total Credits	**6**

Semester 3 - Spring

Course Code	Title	Credits
FNPC 6020	DIAGNOSIS & MANAGEMENT OF ADULTS I	3
FNPC 6020P	DIAGNO & MGMT OF ADULTS I: PRACTICU	2
	Sub-Total Credits	**5**

Semester 4 - Summer

Course Code	Title	Credits
FNPC 6025	DIAGNOSIS & MGMT OF WOMEN & CHILDRE	3
FNPC 6025P	DIAG & MGMT OF WOMEN/ CHILD PRACTICU	2
	Sub-Total Credits	**5**

Semester 5 - Fall

Course Code	Title	Credits
FNPC 6030	DIAGNOSIS & MANAGEMENT OF ADULTS II	3
FNPC 6030P	DIAGNOSIS & MGMT OF ADULTS II-PRACT	2
	Sub-Total Credits	**5**

Semester 6 - Spring

Course Code	Title	Credits

FNPC 6040	INTEGR OF THE ADV PRACTICE ROLE	2
FNPC 6040P	INTEGR OF ADV PRACT ROLE-PRACTICUM	2
	Sub-Total Credits	**4**
	Total Credits	**30**

Humanities Division

Game Studies

Degree Type
Certificate

The Game Studies certificate gives students the background and understanding of games, gaming, gamification and the games industry from a variety of perspectives. it is applicable for students from any major who would like to add the capacity to understand and get involved with the creation and use of games and gamification in a wide range of organizations and industries.

REQUIREMENTS: To successfully complete the Game Studies Certificate the following coursework is required:

- 9 credits as listed under "Certificate Component/ Requirements"
- 3 credits as listed under Elective Component

Component/Requirements

Course Code	Title	Credits
CMET 3002	NEW MEDIA & DIGITAL COMMUNICA TECH	3
CMET 4005	GAMIFICATION	3
INQU 3007	GAME STUDIES	3
	Sub-Total Credits	**9**

Elective Component

Choose 1:

Course Code	Title	Credits
ENGL 2021	WORLD LITERATURE I	3
ENGL 2040	CREATIVE WRITING	3
ENGL 3014	WORLD MYTHOLOGY	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
	Sub-Total Credits	**3**
	Total Credits	**12**

Professional and Creative Writing

Degree Type
Certificate

Students who wish to obtain the Certificate in Professional and Creative Writing must complete the equivalent of ENGL1011 and ENGL1012 as prerequisites to acceptance into the program. Twenty-one (21) credits will be required for the Certificate. No more than 9 credits may be transferred from another institution.

Electives

Choose 15 credits from the following:

Course Code	Title	Credits
ENGL 2025	WRITING POETRY	3
ENGL 2029	BUSINESS COMMUNICATIONS	3
ENGL 3011	READINGS IN CREATIVE NON-FICTION	3
ENGL 3031	JOURNALISM I	3
ENGL 3032	JOURNALISM II	3
ENGL 3034	WRITING FOR ADVERTISING	3
ENGL 3035	WRITING FOR BROADCAST & SOCIAL MEDI	3
ENGL 3042	WRITING FOR NON-PROFITS	3
ENGL 3044	SPORTS WRITING	3
ENGL 3045	WRITING FICTION	3
ENGL 3064	WRITING CREATIVE NONFICTION	3
	Sub-Total Credits	**15**

Required Courses

Course Code	Title	Credits
ENGL 2030	TECHNICAL WRITING	3
ENGL 3051	PUBLICATION DESIGN	3
	Sub-Total Credits	**6**

	Total Credits	**21**

Applied Communications

Degree Type
Major

A major in the Applied Communications professional degree program is meant for students who have already been working in communication, media and technology related fields and need to finish their college degree for advancement or career growth. The program takes advantage of the prior experience of students by not requiring introductory courses and also accounts for credits received from previous post-secondary education experiences in any field.

REQUIREMENTS: To successfully complete the Applied Communications major, the following coursework is required:

- 15 credits as listed under Major Component/Requirements
- 15 credits as listed under Major Electives
- 18 credits additional electives in a "focus area" in consultation with the advisor
- 37 CORE credits
- 36 General Electives

A minimum number of 120 credits are required for degree, the last 30 of which must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.

Major Courses Required

Course Code	Title	Credits
CMET 2003	COMMUNICATION BETWEEN CULTURES	3
CMET 2005	COMMUNICATION THEORY, RESEARCH	3
CMET 3002	NEW MEDIA & DIGITAL COMMUNICA TECH	3
CMET 4001	LEGAL ISSUES OF MEDIA AND	3
INQU 3007	GAME STUDIES	3
	Sub-Total Credits	**15**

Major Electives

Choose 5:

Course Code	Title	Credits
CMET 3009	SOCIAL MEDIA RESEARCH AND	3
CMET 4005	GAMIFICATION	3
ENGL 3034	WRITING FOR ADVERTISING	3
ENGL 3035	WRITING FOR BROADCAST & SOCIAL MEDI	3
ENGL 3064	WRITING CREATIVE NONFICTION	3
FILM 1020	FILM PRODUCTION I	3
MRKT 2007	ADVERTISING	3
MRKT 3050	INTERNET MARKETING	3
	Sub-Total Credits	**15**

	Total Credits	**30**

Communication, Media and Technology

Degree Type
Major

The Communication, Media and Technology Department prepares students for positions with video, television, radio, internet and other media organizations. With a strong background in communication, technology, computers, writing and message design, students who want to be writers, directors and producers of mass media can get their start in the department of Communication, Media and Technology. The program also offers significant background and experience in understanding the structure of computer-mediated communication and the ways that people communicate through the internet. For those from developing countries, Communication, Media and Technology is especially relevant in preparing students to help organize, plan and provide programming for media such as radio, television, internet and cable.

To complete the Communication, Media and Technology major successfully, the following course work is required:

- 51 credits of Major Requirements
- 37 credits required in the core curriculum
- 32 credits of general electives

Required Coursework

Course Code	Title	Credits
CMET 1001	HUMAN COMMUNICATION	3
CMET 1002	MASS MEDIA AND DIGITAL	3

CMET 2003	COMMUNICATION BETWEEN CULTURES	3
CMET 2005	COMMUNICATION THEORY, RESEARCH	3
CMET 3002	NEW MEDIA & DIGITAL COMMUNICA TECH	3
CMET 4001	LEGAL ISSUES OF MEDIA AND	3
CMET 4002	BROADCASTING, CABLE AND NEW	3
	Sub-Total Credits	**21**

Capstone Requirements

Course Code	Title	Credits
CMET 4050	SENIOR CAPSTONE	3
CMET 4051	INTERNSHIP I @	1-6
	Sub-Total Credits	**6**

Communicating Effectively

Select 9 credits:

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
ENGL 2040	CREATIVE WRITING	3
ENGL 3034	WRITING FOR ADVERTISING	3
ENGL 3035	WRITING FOR BROADCAST & SOCIAL MEDI	3
ENGL 3042	WRITING FOR NON-PROFITS	3
FILM 1025	FILM AND VISUAL STORYTELLING	3
	Sub-Total Credits	**9**

Basic Skills and Fundamental Knowledge Area

Select 6 credits:

Course Code	Title	Credits
ADMG 2021	MARKETING MANAGEMENT	3
ENGL 2029	BUSINESS COMMUNICATIONS	3
ISTC 2008	INTRO TO CYBERSPACE	3
MRKT 2007	ADVERTISING	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
SOCL 2070	CULTURE AND HUMAN SOCIETIES	3
MRKT 2010	PUBLIC RELATIONS	3
	Sub-Total Credits	**6**

Communication, Media and Technology Electives

Select 9 credits

Course Code	Title	Credits
CMET 2001	COMMUNICATION IN ORGANIZATIONS	3
CMET 3005	MESSAGE DESIGN AND MEDIA	3
CMET 3040	SPECIAL TOPICS IN COMMUNICATION,	3
CMET 4005	GAMIFICATION	3
INQU 3007	GAME STUDIES	3
	Sub-Total Credits	**9**

	Total Credits	**51**

English Studies: Literature

Degree Type
Major

The English Studies: Literature curriculum is designed to develop language skills and to teach analytical skills and research methods necessary in approaching English studies as a discipline. The program encourages an appreciation of cultural heritage through literary works and stimulates the imagination. This major prepares students for graduate school in English or library science, and for positions in government services and public relations.

To complete the English Studies: Literature major successfully, the following course work is required:

- 39 credits of Major Requirements
- 12 credits of Professional Writing Component
- 15-21 credits in a Minor or Double Major in Professional Writing
- 37 credits of CORE Curriculum courses
- 11-17 credits of General Electives

A minimum of 120 credits is required for graduation, the last 30 of which must be earned at La Roche University.

Major Requirements

Course Code	Title	Credits
ENGL 2021	WORLD LITERATURE I	3
ENGL 2022	WORLD LITERATURE II	3
ENGL 2029	BUSINESS COMMUNICATIONS	3
ENGL 2036	AMERICAN MULTICULTURAL LIT	3
ENGL 2039	MODERN AMERICAN LITERATURE	3
	ENGL 2XXX: English Literature 2000-Level or Above	3
ENGL 3011	READINGS IN CREATIVE NON-FICTION	3
ENGL 3023	SHAKESPEARE	3
ENGL 3033	AMERICAN ENGL: HISTORY & DEVELOPMEN	3
ENGL 4051	INTERNSHIP I @	1-6
ENGL 4055	SEMINAR IN PUBLICATION	3
	ENGL XXXX	3
	ENGL XXXX	3
	Sub-Total Credits	**37-42**

Professional Writing Component Option

Option 1

Choose 1:

Course Code	Title	Credits
ENGL 2030	TECHNICAL WRITING	3
ENGL 3031	JOURNALISM I	3
	Sub-Total Credits	**3**

Option 2

Choose 1:

Course Code	Title	Credits
ENGL 3032	JOURNALISM II	3
ENGL 3064	WRITING CREATIVE NONFICTION	3
	Sub-Total Credits	**3**

Option 3

Choose 1:

Course Code	Title	Credits
ENGL 3034	WRITING FOR ADVERTISING	3
ENGL 3035	WRITING FOR BROADCAST & SOCIAL MEDI	3
	Sub-Total Credits	**3**

Option 4

Choose 1:

Course Code	Title	Credits
ENGL 2025	WRITING POETRY	3
ENGL 2040	CREATIVE WRITING	3
ENGL 3045	WRITING FICTION	3
	Sub-Total Credits	**3**

	Total Credits	**49-54**

English Studies: Professional and Creative Writing

Degree Type
Major

The Professional and Creative Writing major prepares students for public lives working in various genres and professional settings. La Roche University graduates who have majored in Professional and Creative Writing occupy a variety of writing positions in fields such as advertising, creative writing, journalism, public relations, teaching, and business. This program is also an excellent foundation for those wishing to attend graduate or law school. To complete the professional and creative writing major successfully, the following course work is required:

- 51 credits of English Writing Component courses
- 9 credits of Literature Component courses
- 37 credits of CORE Curriculum courses
- 23 credits of General Electives

A minimum of 120 credits is required for graduation, the last 30 of which must be earned at La Roche University.

English Writing Component

Course Code	Title	Credits
ENGL 2029	BUSINESS COMMUNICATIONS	3
ENGL 2030	TECHNICAL WRITING	3

ENGL 3011	READINGS IN CREATIVE NON-FICTION	3
ENGL 3031	JOURNALISM I	3
ENGL 3032	JOURNALISM II	3
ENGL 3033	AMERICAN ENGL: HISTORY & DEVELOPMEN	3
ENGL 3034	WRITING FOR ADVERTISING	3
ENGL 3035	WRITING FOR BROADCAST & SOCIAL MEDI	3
ENGL 3042	WRITING FOR NON-PROFITS	3
ENGL 3044	SPORTS WRITING	3
ENGL 3045	WRITING FICTION	3
ENGL 3064	WRITING CREATIVE NONFICTION	3
ENGL 4035	PORTFOLIO PRODUCTION WORKSHOP	3
ENGL 4051	INTERNSHIP I @	1-6
ENGL 4055	SEMINAR IN PUBLICATION	3
GCDN 3051	PUBLICATION DESIGN	3
	Sub-Total Credits	**46-51**

Literature Component

Course Code	Title	Credits
	ENGL 2XXX	3
ENGL 3023	SHAKESPEARE	3
	ENGL 3XXX: Literature Elective	3
	Sub-Total Credits	**9**

Writing Component

Choose 1 Course:

Course Code	Title	Credits
ENGL 2025	WRITING POETRY	3
ENGL 2040	CREATIVE WRITING	3
	Sub-Total Credits	**3**

	Total Credits	**58-63**

History

Degree Type
Major

The primary objective of the history program is to lead students to a global awareness as well as an understanding of their many heritages. The program also seeks to develop skills that will enable students to enter a variety of professions such as law, teaching, business and government, as well as to prepare them for graduate school.

To complete the history major successfully, the following course work is required:

- 12 required history credits
- 30 major elective credits
- 1 credit (minimum) Applied Learning
- 40 general elective credits
- 37 Core Curriculum credits

A minimum of 120 credits is required for graduation, the last 30 of which must be earned at La Roche University.

Required Coureses

3 Credits from the following:

Course Code	Title	Credits
HIST 4051	History - Internship I	
HIST 4057	INDEPENDENT STUDY - HISTORY	1-6
	Sub-Total Credits	**3**

Required Courses

Select 12 credits (At least one course must be in Western Civilization)

Course Code	Title	Credits
HIST 1010	US HIST 1607 - 1865 FOUNDATIONS	3
HIST 1011	US HIST: EMERG OF MASS DEMOCRACY	3
HIST 1013	WESTERN CIVILIZATION I (SLHS)	3
HIST 1014	WESTERN CIVILIZATION II	3
POLI 2002	MULTICULTURAL HISTORY OF THE U.S.	3
	Sub-Total Credits	**12**

Required Electives Including:

History Electives must be at the 2000- or 3000 Level

Course Code	Title	Credits

CRIM 1003	UNDERSTANDING THE U.S. CONSTITUTION	3
	HIST 2XXXX or 3XXX: 2000-3000 Level History (HIST) Course	3
POLI 3019	HISTORY AND POLITICS OF AFRICA	3
POLI 3050	POLITICS OF WEAK STATES	3
	Sub-Total Credits	**30**
	Total Credits	**45**

International Studies

Degree Type
Major

A major in International Studies is meant to prepare students for career opportunities in international business, public services in international areas of government and diplomacy, international governmental and nongovernmental organizations.

REQUIREMENTS: To successfully complete the International Studies major, the following coursework is required:

- 18 credits as listed under “Major Core Requirements”
- 21 credits of Major Electives, at least 3 credits from each of the three areas of study: Culture and Arts; International Politics and Economy; and Global Studies.
- 9 credits Modern Languages (Waived for non-native English Speakers; or earned with CLEP Levels 1 and 2 tests with score of 50)
- 37 CORE credits
- 35 General Elective Credits
- A minimum number of 120 credits are required for degree, the last 30 of which, and 50% of the major must be earned at La Roche University.

International Studies Major Courses

Course Code	Title	Credits
ADMG 1005	MACROECONOMICS	3
INST 2013	INTRO TO INTERNATIONAL STUDIES	3
INST 3011	RESEARCH METHODS (SOCL3011)	3
INST 4055	SENIOR SEMINAR (SOCL4055)	3
MATH 1040	PROBABILITY AND STATISTICS	3
SOCL 2070	CULTURE AND HUMAN SOCIETIES	3
	Sub-Total Credits	**18**

International Studies Major Electives

Course Code	Title	Credits
CMET 2003	COMMUNICATION BETWEEN CULTURES	3
ENGL 2022	WORLD LITERATURE II	3
GEOG 3010	CULTURAL GEOGRAPHY AND THE	3
GEOG 3013	GEOGRAPHY AND WORLD AFFAIRS	3
HIST 3028	EAST ASIAN HISTORY (INST3028)	3
HIST 3045	HISTORY AND POLITICS OF MID EAST	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
INST 2001	GLOBAL POLITICS (POLI2001)	3
INST 2011	WORLD GEOGRAPHY (GEOG2011)	3
INST 3003	INTERNATIONAL POLITICAL ECONOMY	3
INST 3021	COMPARATIVE GOVERNMENT	3
INST 3027	HISTORY OF MODERN EUROPE	3
INST 3033	AMERICAN FOREIGN POLICY	3
INST 4048	INTERNATIONAL LEGAL ENVIRONMENT	3
INST 4051	International Studies - Internship I	
INST 4057	INDEPENDENT STUDY -	1-3
POLI 3019	HISTORY AND POLITICS OF AFRICA	3
RELS 1003	WORLD RELIGIONS (SLRS)	3
RELS 2020	WOMEN & RELIGION	3
SOCL 2022	SPORTS AND GLOBALIZATION	3
SOCL 2045	ISLAM IN THE WORLD	3
SOCL 3040	ETHNIC CONFLICT (POLI3040)	3
SOCL 3041	CITIES AND GLOBALIZATION	3
SOCL 3051	DEVELOPMENT IN SOUTHEAST ASIA	3
SOCL 3081	ENVIRONMENT AND SOCIETY	3

SOCL 3082	SOCIAL MOVEMENT AND RESISTANCE	3
	Sub-Total Credits	**21**

International Studies Modern Language Requirement

(in the same modern language)

Course Code	Title	Credits
MLSP 1001	ELEMENTARY SPANISH I	3
MLSP 1002	ELEMENTARY SPANISH II	3
MLSP 2001	INTERMEDIATE SPANISH I	3
	Sub-Total Credits	**9**

	Total Credits	**48**

Liberal Studies

Degree Type
Major

The Liberal Studies major is designed to provide students with a solid multidisciplinary preparation in Humanities, Social Science and the Arts.

To complete the liberal studies major successfully, the following course work is required:

- 12 credits of Humanities
- 6 credits of Social Science credits
- 6 credits of Behavioral/Natural Science courses
- 6 credits of Information/Communication/Technology courses
- 6 credits of Aesthetics courses
- 9 credits of Administration and Management courses
- 6-8 credits in the same Modern Language
- 18-24 credits in a Concentration/Track or Minor
- 40 CORE Curriculum/General Electives
- 3-11 credits of General Electives

A minimum of 120 credits are required for degree, the last 30 of which must be earned at La Roche University.

Administration and Management

Course Code	Title	Credits
ADMG 1005	MACROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 3024	PROFESSIONAL PRESENTATION	3
	Sub-Total Credits	**9**

Aesthetics

Course Code	Title	Credits
	ARTH XXXX: Art History Elective	3
	DSGN XXXX: Design Elective	3
FILM 1025	FILM AND VISUAL STORYTELLING	3
	PART XXXX: Music	3
	Sub-Total Credits	**6**

Behavioral/Natural Sciences

Course Code	Title	Credits
	NSCI/BIOL/CHEM: Behavioral/ Natural Science Course	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
	Sub-Total Credits	**6**

Humanities

Course Code	Title	Credits
	ENGL 2XXX: English Literature 2000-Level or Above	3
PHIL 2026	ETHICS (SLRS)	3
	RELS 2XXX: Religious Studies 2000-Level or Above	3
SPCH 1022	CREATIVE DRAMATICS (SLAE1010)	3
	Sub-Total Credits	**12**

Social Sciences

Course Code	Title	Credits
	SOCL/HIST/POLI: Sociology/ History/Political Science Course	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
	SOCL XXXX: Sociology Elective	3

	Sub-Total Credits	**6**
	Total Credits	**39**

Political Science

Degree Type
Major

A major in Political Science helps to prepare students for careers in politics, government, global service, legal studies, graduate studies, journalism, and diplomacy. To successfully complete the Political Science major, the following coursework is required:

- 9 credits of Political Science Requirements
- 30 credits of Political Science Major Electives
- 37 credits of CORE Curriculum courses
- 44 credits of General Electives
- A minimum of 120 credits is required for degree, the last 30 of which must be taken at La Roche University

Applied Learning

Choose 1 option:

Course Code	Title	Credits
HIST 4051	History - Internship I	
POLI 4057	INDEPENDENT STUDY - POLITICAL	1-3
	Sub-Total Credits	**1**

Major Component

Course Code	Title	Credits
POLI 1022	AMERICAN GOVERNMENT	3
POLI 3015	HISTORY/POLITICAL THOUGHT	3
POLI 3021	COMPARATIVE GOVERNMENT	3
	Sub-Total Credits	**9**

Major Electives - American Politics

Course Code	Title	Credits
CRIM 2006	THE RULE OF LAW	3
HIST 1011	US HIST: EMERG OF MASS DEMOCRACY	3
HIST 3000	HISTORY AND CULTURE OF AMERICAN	3
HIST 3038	HISTORY OF BLACK AMERICANS	3
POLI 1003	Understanding the U.S. Constitution	
POLI 2002	MULTICULTURAL HISTORY OF THE U.S.	3
POLI 2045	ISLAM IN THE WORLD	3
POLI 3002	HISTORY OF EUROPEAN DIPLOMACY	3
POLI 3005	Constitutional Law	3
POLI 3023	MODERN U.S. DIPLOMATIC HISTORY	3
POLI 3033	AMERICAN FOREIGN POLICY	3
POLI 3036	HIST OF AMERICAN VALUES, BELIEFS	3
POLI 3037	THE AMERICAN PRESIDENCY	3
POLI 3039	POLITICS AND SOCIETY (SOCL3039)	3
POLI 3042	THE CIVIL WAR (HIST3042)	3
POLI 3060	NATIVE AMERICAN POLITICS	3
POLI 4051	INTERNSHIP I @	1-6
SOCL 1034	RACE AND ETHNICITY (SLSO)	3
SOCL 2038	WEALTH, POWER, AND PRESTIGE	3
	Sub-Total Credits	**12**

Major Electives - Comparative Politics

Conceptual Analysis

Course Code	Title	Credits
GEOG 3013	GEOGRAPHY AND WORLD AFFAIRS	3
POLI 2001	GLOBAL POLITICS (INST2001)	3
POLI 3030	COMPARING DEMOCRACIES	3
POLI 3050	POLITICS OF WEAK STATES	3
POLI 3053	PEASANT POLITICS (HIST3053)	3
	Sub-Total Credits	**3**

Conflicts and War:

Course Code	Title	Credits
CRIM 3036	TERRORISM	3
POLI 3040	ETHNIC CONFLICT (SOCL3040)	3
POLI 3052	EXPERIENCE OF MODERN WAR	3

POLI 3055	TODAY'S GLOBAL WARS	3
POLI 3065	WORLD WAR II (HIST3065)	3
POLI 3082	SOCIAL MOVEMENT AND RESISTANCE	3
	Sub-Total Credits	**3**

Nations and People:

Course Code	Title	Credits
HIST 3020	RUSSIA AND THE SOVIET WORLD	3
HIST 3026	HISTORY OF MODERN GERMANY	3
HIST 3075	HISTORY OF IRELAND AND	3
POLI 2045	ISLAM IN THE WORLD	3
POLI 3035	HISTORY AND POLITICS OF FRANCE	3
POLI 3047	JEWISH HISTORY AND POLITICS	3
	Sub-Total Credits	**3**

World Regions:

Course Code	Title	Credits
HIST 2000	BRITAIN AND ITS EMPIRE	3
HIST 3005	CONTEMPORARY CENTRAL AMERICA	3
HIST 3012	HISTORY OF SPAIN	3
HIST 3027	HISTORY OF MODERN EUROPE	3
HIST 3028	EAST ASIAN HISTORY (INST3028)	3
POLI 3019	HISTORY AND POLITICS OF AFRICA	3
POLI 3045	HISTORY AND POLITICS OF MID EAST	3
	Sub-Total Credits	**3**

Major Electives - Political Theory

Course Code	Title	Credits
POLI 3036	HIST OF AMERICAN VALUES, BELIEFS	3
POLI 3070	THE IDEA OF FREEDOM	3
POLI 3072	DEMOCRATIC SOCIALISM (HIST3072)	3
POLI 3085	MARXIST POLITICAL THOUGHT	3
	Sub-Total Credits	**3**

Major Electives - Public Policy

Course Code	Title	Credits
INST 3003	INTERNATIONAL POLITICAL ECONOMY	3
POLI 2075	PUBLIC POLICY	3
POLI 3025	DEVELOPMENT: POLITICAL, SOCIAL	3
POLI 3032	COMPARATIVE PUBLIC POLICY	3
POLI 3051	DEVELOPMENT IN SOUTHEAST ASIA	3
SOCL 1023	GLOBAL SOCIAL PROBLEMS	3
	Sub-Total Credits	**3**

	Total Credits	**40**

Sociology

Degree Type
Major

Social justice and equality are the key elements to a peaceful and stable society. But our world is often plagued by the persistence of centuries-old problems such as racism, poverty, war, oppression, enslavement, political economic underdevelopment, crime, human exploitation, and environmental degradation. Sociology is a field of study that analyzes these social problems and phenomena, and how they continue to affect groups and societies. It also examines how social issues arise and how they have been addressed. Sociology allows us to discuss realistic solutions to these problems and issues, and why or how these options have failed or succeeded. Through the understanding of the dynamic relationships between social structure and human behavior, scholars of sociology have provided theories and approaches to explain social issues, social change, and social problems.

What can you do with a BA in Sociology? Employers look for people with the skills that an undergraduate education in sociology provides:

- As a broad discipline, sociology cuts across many areas of the social sciences. Thus, a degree in sociology prepares students for a wide range of career opportunities in public

administration, politics, social and health services, criminal justice, business, education, counseling, social research journalism, public relations, and various other needs, especially those that require analytical skills and working with people from all social backgrounds;
- Knowledge and skills in sociological theories and research methods provide sociology students with the preparation for wide option of post-graduate work. A BA in Sociology is an extremely useful major for the preparation of graduate studies in sociology and other social science disciplines, as well as for law school;
- Globalization has impacted nearly every aspect of people's lives around the world. The growth of both business and non-profit organizations at the national and international levels requires the recruitment of personnel who understand world affairs and appreciate diversity. A BA in sociology that focuses on global affairs would prepare sociology students with the capabilities needed in such organizations.

At La Roche University, a minimum of 120 credits is required for degree, the last 30 of which must be earned at the University. To graduate with a Sociology major, the following course work is required:

- 12 credits of major requirements
- 24 credits of major electives, must include 15 credits at 3000 level. Sociology electives can also be taken in the form of individualized courses for juniors and seniors from the following: SOCL4051 and 4052, Sociology Internship I and II; SOCL4056, Directed Research;and/or SOCL4057, Independent Study.
- MATH1040, Probability and Statistics, is a prerequisite for the SOCL3011 Research Methods course. (3 credits).
- 47 General Elective credits, at least 11 credits of which must be taken outside of sociology.
- 37 University Core Curriculum credits (see http://www.laroche.edu/academics/core.asp to find out more).

Core Sociology

Course Code	Title	Credits
SOCL 2040	FOUNDATION OF SOCIAL THOUGHT	3
SOCL 3011	RESEARCH METHODS	3
SOCL 4055	SENIOR SEMINAR	3
	Sub-Total Credits	**9**

Major Electives

Select 24 Credits:

Course Code	Title	Credits
SOCL 2022	SPORTS AND GLOBALIZATION	3
SOCL 2030	Juvenile Delinquency	3
SOCL 2038	WEALTH, POWER, AND PRESTIGE	3
SOCL 2045	ISLAM IN THE WORLD	3
SOCL 2061	SOCIAL GERONTOLOGY	3
SOCL 2062	HUMAN SERVICES IN MODERN SOCIETY	3
SOCL 2070	CULTURE AND HUMAN SOCIETIES	3
SOCL 3008	SOCIOLOGY OF WORK AND	3
SOCL 3020	DEATH AND DYING	3
SOCL 3025	DEVELOPMENT: POLITICAL, SOCIAL	3
SOCL 3026	WOMEN IN AMERICAN SOCIETY	3
SOCL 3027	FAMILY RELATIONS	3
SOCL 3029	SOCIAL PSYCHOLOGY (PSYC3029)	3
CRIM 3030	THEORIES OF CRIMINAL DEVIANCE	3
SOCL 3031	RELIGION AND SOCIETY	3
SOCL 3037	VICTIMS OF ABUSE AND NEGLECT	3
SOCL 3039	POLITICS AND SOCIETY (POLI3039)	3
SOCL 3040	ETHNIC CONFLICT (POLI3040)	3
SOCL 3041	CITIES AND GLOBALIZATION	3
SOCL 3050	EDUCATION AND SOCIETY	3
SOCL 3051	DEVELOPMENT IN SOUTHEAST ASIA	3
SOCL 3081	ENVIRONMENT AND SOCIETY	3
SOCL 3082	SOCIAL MOVEMENT AND RESISTANCE	3
	Sub-Total Credits	**24**

Required Introductory Courses

Select 3 credits

Course Code	Title	Credits
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
SOCL 1023	GLOBAL SOCIAL PROBLEMS	3

SOCL 1034	RACE AND ETHNICITY (SLSO)	3
	Sub-Total Credits	**3**
	Total Credits	**36**

Communication

Degree Type
Master's Degree

The Master of Arts (M.A.) in Communication program at La Roche University prepares students for the modern media and business landscape by exploring communication theory and applying it in practice. Students will explore communication research techniques and apply them towards understanding the role communication plays in organizations, digital technology, media and interpersonal interactions. The program emphasizes applying theory to real circumstances and using critical thinking to understand the broader implications of contemporary digital mediated communication. By completing this degree, students will be expected to:

- Analyze current and emerging scholarship in communications, media studies, and social media
- Apply communication theory into practice in professional settings
- Understand and explore contemporary ethical issues in communication and social media
- Employ qualitative research methods into communication practices in various settings, online and in situ
- Explore media through the application of contemporary interpretive methods

Required Courses

Course Code	Title	Credits
MCOM 5010	ORGANIZATIONAL COMMUNICATION	3
MCOM 5020	COMMUNICATION RESEARCH METHODS	3
MCOM 5030	DIGITAL COMMUNICATION	3
MCOM 5040	MEDIA THEORY	3
MCOM 5050	COMMUNICATION ETHICS	3
MCOM 6010	CONFLICT MANAGEMENT	3
MCOM 6020	INTERCULTURAL COMMUNICATION	3
MCOM 6030	STRATEGIC COMMUNICATION	3
MCOM 6040	SOCIAL MEDIA THEORY	3
MCOM 6050	COMMUNICATION & SOCIAL CHANGE	3
MCOM 6090	PRACTICUM	1
	Total Credits	**31**

Communication, Media and Technology Minor

Degree Type
Minor

To fulfill the Communication, Media and Technology Minor, 18 credits are required. Minor must be completed within the student's graduation timeline. Two academic years are estimated for minor completion due to course rotation and prerequisites.

Electives

Must take at least 6 credits of the following:

Course Code	Title	Credits
CMET 2001	COMMUNICATION IN ORGANIZATIONS	3
CMET 2003	COMMUNICATION BETWEEN CULTURES	3
CMET 4001	LEGAL ISSUES OF MEDIA AND	3
	Sub-Total Credits	**6**

Required Courses

Course Code	Title	Credits
CMET 1001	HUMAN COMMUNICATION	3
CMET 1002	MASS MEDIA AND DIGITAL	3
CMET 2005	COMMUNICATION THEORY, RESEARCH	3
CMET 3002	NEW MEDIA & DIGITAL COMMUNICA TECH	3
	Sub-Total Credits	**12**
	Total Credits	**18**

English Studies: Professional and Creative Writing

Degree Type
Minor

To complete the English Studies Professional and Creative Writing Minor, 15 credits are required. Minor must be completed within the student's graduation timeline. Two academic years are estimated to complete the minor due to course rotation and prerequisites.

Required Courses

Choose 5 courses from the following:

Course Code	Title	Credits
ENGL 2025	WRITING POETRY	3
ENGL 2029	BUSINESS COMMUNICATIONS	3
ENGL 2030	TECHNICAL WRITING	3
ENGL 3011	READINGS IN CREATIVE NON-FICTION	3
ENGL 3031	JOURNALISM I	3
ENGL 3032	JOURNALISM II	3
ENGL 3034	WRITING FOR ADVERTISING	3
ENGL 3035	WRITING FOR BROADCAST & SOCIAL MEDI	3
ENGL 3042	WRITING FOR NON-PROFITS	3
ENGL 3044	SPORTS WRITING	3
ENGL 3045	WRITING FICTION	3
ENGL 3051	PUBLICATION DESIGN	3
ENGL 3064	WRITING CREATIVE NONFICTION	3
	Total Credits	**15**

Game Studies

Degree Type
Minor

A minor in Game Studies is meant to prepare students for a wide variety of career paths within the field: including, writing, producing, managing, promoting and creating new games and developing gamification capabilities for training, business and education It is not a programming or design program, but could be a good addition to a student's preparation in a wide range of fields.

REQUIREMENTS: To successfully complete the Game Studies Minor, the following coursework is required:

- 12 credits as listed under “Minor Component/ Requirements”
- 3 credits as listed under Narrative Component
- 3 credits as listed under Additional Perspectives

Additional Perspectives:

Course Code	Title	Credits
PSYC 1021	INTRO TO PSYCHOLOGY	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
	Sub-Total Credits	**3**

Minor Component

Course Code	Title	Credits
CMET 1001	HUMAN COMMUNICATION	3
CMET 3002	NEW MEDIA & DIGITAL COMMUNICA TECH	3
CMET 4005	GAMIFICATION	3
INQU 3007	GAME STUDIES	3
	Sub-Total Credits	**12**

Narrative Component

Course Code	Title	Credits
ENGL 2021	WORLD LITERATURE I	3
ENGL 2040	CREATIVE WRITING	3
ENGL 3014	WORLD MYTHOLOGY	3
	Sub-Total Credits	**3**

	Total Credits	**18**

History

Degree Type
Minor

Three academic years are estimated for history minor completion with respect to Fall/Spring course rotation and prerequisites.

Required Courses

3 Credits from the following:

Course Code	Title	Credits
HIST 1010	US HIST 1607 - 1865 FOUNDATIONS	3
HIST 1011	US HIST: EMERG OF MASS DEMOCRACY	3
HIST 1013	WESTERN CIVILIZATION I (SLHS)	3
HIST 1014	WESTERN CIVILIZATION II	3
POLI 2002	MULTICULTURAL HISTORY OF THE U.S.	3
	Sub-Total Credits	**3**

Required Electives Including

Any History (HIST) 2000 or 3000 level course or any of the Political Science (POLI) courses listed below (6 credits must be in U.S. History & 6 credits in non-U.S. History)

Course Code	Title	Credits
	HIST XXXX: History Elective	
POLI 3019	HISTORY AND POLITICS OF AFRICA	3
POLI 3045	HISTORY AND POLITICS OF MID EAST	3
	Sub-Total Credits	**12**

	Total Credits	**15**

Humanities

Degree Type
Minor

Requirements: 21 credits

3 academic years are estimated for humanities minor completion with respect to fall/spring course rotation and prerequisites. The following course work is required:

Required Courses

15 credits-ENGL2021 or 2022 & ENGL2036 or 2039; Select any 2000 or 3000 level ENGL (Literature) and PHIL courses

Course Code	Title	Credits
ENGL 2021	WORLD LITERATURE I	3
ENGL 2022	WORLD LITERATURE II	3
ENGL 2036	AMERICAN MULTICULTURAL LIT	3
ENGL 2039	MODERN AMERICAN LITERATURE	3
	ENGL 2XXX: English Literature 2000-Level or Above	3
	ENGL 3XXX: Literature Elective	3
PHIL 1021	INTRO TO PHILOSOPHY	3
	PHIL 2XXX: Philosophy Elective	3
	PHIL 3XXX: Philosophy Elective	3
	Sub-Total Credits	**15**

Must take at least 3 credits of the following:

Course Code	Title	Credits
RELS 1001	OLD TESTAMENT (SLRS)	3
RELS 1002	NEW TESTAMENT (SLRS)	3
RELS 1003	WORLD RELIGIONS (SLRS)	3
	Sub-Total Credits	**3**

Select at least 3 credits of the following:

Course Code	Title	Credits
PHIL 2026	ETHICS (SLRS)	3
RELS 2014	CHRISTOLOGY	3
RELS 2020	WOMEN & RELIGION	3
	Sub-Total Credits	**3**

	Total Credits	**21**

International Studies

Degree Type
Minor

A minor in International Studies is meant to prepare students for career opportunities in international business, public services in international areas of government and diplomacy, international governmental and nongovernmental organizations.

To successfully complete the International Studies Minor, the following coursework is required:

Required Courses

Course Code	Title	Credits
INST 2013	INTRO TO INTERNATIONAL STUDIES	3
INST 3011	RESEARCH METHODS (SOCL3011)	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

Electives

Choose 9 credits.

One course must be at the 3000-Level

Course Code	Title	Credits
INST 2001	GLOBAL POLITICS (POLI2001)	3
INST 3021	COMPARATIVE GOVERNMENT	3
SOCL 2070	CULTURE AND HUMAN SOCIETIES	3
SOCL 3081	ENVIRONMENT AND SOCIETY	3
SOCL 3082	SOCIAL MOVEMENT AND RESISTANCE	3
INST 2011	WORLD GEOGRAPHY (GEOG2011)	3
SOCL 3041	CITIES AND GLOBALIZATION	3
	Sub-Total Credits	**9**

	Total Credits	**18**

Literature

Degree Type
Minor

Required coursework is available day and evening. Two academic years are estimated for minor completion because of the course rotation.

In addition to the following required course, students must take four (4) literature electives, at least two of which must be upper division courses.

Minor Requirements

15 credits including:

Course Code	Title	Credits
	ENGL 3021 or ENGL 3023	3
ENGL 3023	SHAKESPEARE	3
	ENGL XXXX: Literature Elective	3
	ENGL XXXX: Literature Elective	3
	ENGL 3XXX: Literature Elective	3
	ENGL 3XXX: Literature Elective	3

	Total Credits	**18**

Political Science

Degree Type
Minor

The goal of the political science minor is to offer La Roche students exposure to the general study of political science, and to gain a basic understanding of the political science sub-fields of American Politics and Comparative Politics. Outcomes of the political science minor are: achievement of a general understanding of the American political system; achieving the ability to assess and analyze differing governments and political systems in various parts of the world; and understanding key concepts in political thought.

REQUIRED COURSES: 15 credits required for minor, divided among three (3) credit required courses and 2 (3) three credit advanced

Required Courses

Course Code	Title	Credits
POLI 1022	AMERICAN GOVERNMENT	3
POLI 3015	HISTORY/POLITICAL THOUGHT	3
POLI 3021	COMPARATIVE GOVERNMENT	3
	Sub-Total Credits	**9**

Required Electives

Course Code	Title	Credits
	POLI 3XXX: Political Science 3000-level	3
	POLI 3XXX: Political Science 3000-level	3
	Sub-Total Credits	**6**

	Total Credits	**15**

Sociology

Degree Type
Minor

Two academic years are estimated for sociology minor completion with respect to fall/spring course rotation and prerequisites. This minor is not available to students majoring in human services.

Fifteen (15) credits are required. In addition to the required courses shown below, students must select three sociology electives, at least one of which must be upper division (3000 level or higher).

Minor Electives

Choose 3 SOCL:

Course Code	Title	Credits
	SOCL XXXX: Sociology Elective	3
	SOCL XXXX: Sociology Elective	3
	SOCL XXXX: Sociology Elective	3
	Sub-Total Credits	**9**

Required Courses

Course Code	Title	Credits
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
SOCL 3011	RESEARCH METHODS	3
	Sub-Total Credits	**6**

	Total Credits	**15**

Sustainability Interdisciplinary Studies

Degree Type
Minor

Designed by faculty in multiple disciplines, the 18-credit SIS Minor at La Roche provides students the opportunity to study the principles and engage in the practices of environmental justice.

This minor crosses boundaries to show that sustainability and environmental justice are part of every discipline – from literature to sociology to interior design and beyond.

A minor in Sustainability Interdisciplinary Studies will provide experiences catering to students interested in issues of sustainability and their integration into each of their respective discipline and profession. This minor will focus on expanding awareness of environmental justice and sustainable development as well as community (local to global) and integrative thinking. It must be completed within the student's graduation timetable.

To learn more about this minor, please contact the co-director at azlan.tajuddin@laroche.edu or the faculty secretary at 412-536-1184

Integrated Experience

Choose 1 - REQUIRED

- Internship
- Service Learning
- Directed Research
- Creative Expression

	Sub-Total Credits	**3**

Electives

Choose 4:

Course Code	Title	Credits
IDSN 3059	ADVANCED IDEAS SEMINAR IN ID	3
INST 2011	WORLD GEOGRAPHY (GEOG2011)	3
INST 3013	GEOGRAPHY AND WORLD AFFAIRS	3
PHIL 2026	ETHICS (SLRS)	3
SOCL 1034	RACE AND ETHNICITY (SLSO)	3
SOCL 2070	CULTURE AND HUMAN SOCIETIES	3
SOCL 3041	CITIES AND GLOBALIZATION	3
SOCL 3082	SOCIAL MOVEMENT AND RESISTANCE	3
	Sub-Total Credits	**12**

Required Course

Course Code	Title	Credits
SOCL 3081	ENVIRONMENT AND SOCIETY	3

	Sub-Total Credits	**3**
	Total Credits	**18**

Business Division

Business Division Mission Statement

The Business Division at La Roche University focuses on building key competencies to enable students to achieve academic and professional success. This is accomplished through offering excellent instruction, using a curriculum that meets stringent disciplinary standards, and creating an interdisciplinary learning environment that combines real world insight with management skills and technology. By empowering our students to think critically, act ethically and grow professionally they will be prepared for success in their chosen careers enabling them to become lifelong learners and just leaders in today's global economy.

The Business Group, within the Division is comprised of the following programs:

- Accounting (BS, MS)
- Finance
- International Management
- Management (BS, BA)
- Management Information Systems
- Marketing
- Supply Chain Management
- Sports and Entertainment Management
- Aviation Management

Business Group Mission Statement

The Business Group at La Roche University fosters a high standard of academic rigor and engagement, professionalism and creativity among the community of scholars who have selected Business as their discipline of study. Students acquire proficiency in all traditional core areas of Business Management as well as in their selected area of focus: Accounting, Finance, International Management, Management, Management Information Systems and Marketing. The Business Group incorporates an interdisciplinary perspective through its professional and liberal education leading to successful, just leaders within a constantly changing global society.

All Business Group programs share the following components:

- A common mission statement (see above)
- A common University core curriculum
- A Common Professional Component (CPC)
- A common assessment process for Institutional Assessment (WEAVE)
- A common assessment process for ACBSP purposes
- A common and interdisciplinary structure which enables dual majors and multiple minors
- Accreditation by ACBSP*

Accounting

Degree Type
Certificate

Certificate Benefits

You may have your bachelor's degree and are working in a position at your company that requires you to perform accounting- or finance-related job duties. If you like them, and you want to take the next step in building your career, you should learn more about this new program at La Roche. Accounting is a booming job market right now; recruiters are actively seeking La Roche accounting graduates to join their businesses. This certificate also will help you further your goal of becoming a CPA or CMA.

Course of Study

To complete the Accounting Certificate 24 credits are needed: 12 credits of Required Courses and 12 credits of Electives that provide you with an accounting certificate that documents your concentrated study in the field.

Electives

Select 4 courses:

Course Code	Title	Credits
ACCT 3001	TAXATION I	3
ACCT 3002	TAXATION II	3
ACCT 3011	INTERMEDIATE ACCOUNTING I	3
ACCT 3012	INTERMEDIATE ACCOUNTING II	3
ACCT 3014	COST ACCOUNTING	3
ACCT 4001	ADVANCED ACCOUNTING	3
ACCT 4002	AUDITING	3
	Sub-Total Credits	**12**

Required Courses

General Rotation (8 weeks each)

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ACCT 2025	ACCOUNTING WITH COMPUTERS	3
	Sub-Total Credits	**12**
	Total Credits	**24**

Administration

Degree Type
Certificate

Twenty-four (24) credits will be required for the certificate. No more than nine credits will be transferred from another institution.

This certificate is for Non-Business group majors only.

Required Courses

Course Code	Title	Credits
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 3015	PROJECT MANAGEMENT	3
MRKT 2021	MARKETING MANAGEMENT	3
	Total Credits	**24**

HR Consultant - Post Bachelor

Degree Type
Certificate

Each HRM Certificate consists of 4 HRM courses, totaling 12 credits. In most cases courses are completed within 2-3 consecutive semesters. Since all certificate courses form integral components of our highly respected HRM graduate program curriculum, they may be applied towards the full graduate degree, should certificate students wish to continue their graduate studies. HRM Certificate students must complete their particular certificate before advancing to the master's program and should apply for acceptance in the full program during the last semester of completing their certificate requirements.

To be a successful HR Consultant, one must possess requisite knowledge about HRM practices and have the ability to guide others through the change process. In either an internal or external consulting role, the HR Consultant can help address various business needs such as staffing, training and development, employee performance, and employee relations. This 12-credit certificate gives students the ability to choose two additional HRMT courses that best meet their consulting interests.

To successfully complete the HR Consultant Certificate, the student must complete:

- HRMT6012 – Training and Development
- HRMT6020 – Intervention and Planned Change
- Any course in the HRM program (excluding Capstone HRMT5025)
- Any course in the HRM program (excluding Capstone HRMT5025)

Required Courses

Course Code	Title	Credits
HRMT 6012	TRAINING AND DEVELOPMENT	3
HRMT 6020	INTERVENTION & ORGANIZATIONAL CHANG	3
	HRMT XXXX: Any HRM Course	3
	Total Credits	**9**

Human Resources Generalist - Post Bachelor

Degree Type
Certificate

Each HRM Certificate consists of 4 HRM courses, totaling 12 credits. In most cases courses are completed within 2-3 consecutive semesters. Since all certificate courses form integral components of our highly respected HRM graduate program curriculum, they may be applied towards the full graduate degree, should certificate students wish to continue their graduate

studies. HRM Certificate students must complete their particular certificate before advancing to the master's program and should apply for acceptance in the full program during the last semester of completing their certificate requirements.

The HR generalist certificate provides instruction in the essential elements of the HR generalist's job-recruitment, benefits, management, and managing human resource information systems. "HR Generalist" is the title used by most organizations to describe the typical HR staff professional. It provides you with specific knowledge and skills in human resources for an entry level position.

To successfully complete the HR Generalist Certificate, the student must complete:

- HRMT5020 Organizational Behavior (3 credits)
- HRMT6015 Employee Benefits Administration OR HRMT6013 Compensation (3 credits)
- HRMT6017 Recruitment and Placement (3 credits)
- HRMTXXXX Any HRMT course except HRMT5025 (3 credits)

Required Courses

Course Code	Title	Credits
HRMT 5020	ORGANIZATIONAL BEHAVIOR	3
HRMT 6013	COMPENSATION MANAGEMENT	3
HRMT 6015	EMPLOYEE BENEFITS ADMINISTRATION	3
HRMT 6017	RECRUITMENT AND PLACEMENT	3
	HRMT XXXX: Any HRM Course	3
	Total Credits	**15**

Self-Design Certificate in HRM - Post Bachelor

Degree Type
Certificate

Each HRM Certificate consists of 4 HRM courses, totaling 12 credits. In most cases courses are completed within 2-3 consecutive semesters. Since all certificate courses form integral components of our highly respected HRM graduate program curriculum, they may be applied towards the full graduate degree, should certificate students wish to continue their graduate studies. HRM Certificate students must complete their particular certificate before advancing to the master's program and should apply for acceptance in the full program during the last semester of completing their certificate requirements.

The Self-Design Certificate offers HR graduate students the opportunity to work with a counselor to create their own 12-credit certificate in ways that meet their specific educational objectives and career goals. To successfully complete the Self-Design Certificate in HRM, students must select any 5000-level HRM course (excluding the capstone HRMT5025) and three (3) 6000-level HRM courses.

Courses for this program include:

- Any 5000 – level HRMT course (excluding Capstone – HRMT5025)
- Any 6000-level HRMT course
- Any 6000-level HRMT course
- Any 6000-level HRMT course

Required Courses

Course Code	Title	Credits
	HRMT 5XXX: Any 5000 Level HRMT Course	3
	HRMT 6XXX: Any 6000 Level HRMT course	3
	HRMT 6XXX: Any 6000 Level HRMT course	3
	HRMT 6XXX: Any 6000 Level HRMT course	3
	Total Credits	**12**

Sports and Entertainment Marketing

Degree Type
Certificate

The Sports & Entertainment Marketing certificate is designed to provide undergraduate students interested in the entertainment world with basic competencies needed to navigate the industry. Students will be equipped with a toolset that will enable them to enter various fields in the entertainment industry with confidence, as well as procure a better understanding of the norms and expectations of the industry.

A total of 12 credits are required for completion of the certificate. This undergraduate certificate must be completed within the

student's graduation timeline. The certificate is open to all bachelor degree majors, including students in the Marketing department.

Required Electives

Choose 1 course:

Course Code	Title	Credits
MRKT 3050	INTERNET MARKETING	3
MRKT 4051	INTERNSHIP I @	1-6
	Sub-Total Credits	**3**

Required courses

Course Code	Title	Credits
MRKT 2021	MARKETING MANAGEMENT	3
SEMG 3030	SPORTS & ENTERTAINMENT MANAGEMENT	3
SEMG 3031	SPORTS AND ENTERTAINMENT MARKETING	3
	Sub-Total Credits	**9**

	Total Credits	**12**

Strategic HR Professional - Post Bachelor

Degree Type
Certificate

Each HRM Certificate consists of 4 HRM courses, totaling 12 credits. In most cases courses are completed within 2-3 consecutive semesters. Since all certificate courses form integral components of our highly respected HRM graduate program curriculum, they may be applied towards the full graduate degree, should certificate students wish to continue their graduate studies. HRM Certificate students must complete their particular certificate before advancing to the master's program and should apply for acceptance in the full program during the last semester of completing their certificate requirements.

A graduate-level track, designed primarily for the practicing HR professional or business leader who wants to impact organizational effectiveness as well as demonstrate proficiency as an influential leader.

To successfully complete the Strategic HR Professional Certificate, the student must complete:

- HRMT5012 – Legal Aspects of HRM
- HRMT6018 – Leadership
- HRMT6036 – Performance Management
- Any Course in the HRM program (excluding Capstone-HRMT5025)

Required Courses

Course Code	Title	Credits
HRMT 5012	LEGAL ASPECTS OF HRM	3
HRMT 6018	LEADERSHIP	3
HRMT 6036	PERFORMANCE MANAGEMENT	3
	HRMT XXXX: Any HRM Course	3

	Total Credits	**12**

Accounting

Degree Type
Major

Accounting, a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

The major in accounting is designed to give students a comprehensive treatment of current accounting principles and practices. The main goals of the program are to prepare students for professional careers in accounting and to aid them in meeting the education requirements for the Pennsylvania CPA and CMA certifications. The program also provides preparation for graduate study in accounting, business or public administration. Accounting courses give students ample opportunity to achieve a degree of proficiency in accounting skills and analytical techniques. To complete the accounting major successfully, the following course work is required:

- 48 credits in Business Core Requirements
- 21 credits in Accounting Major Requirements
- 6 credits in Accounting Major Electives
- 9 credits in Skills Components
- 34 credits in CORE Curriculum

Required Courses

Course Code	Title	Credits
ACCT 3001	TAXATION I	3
ACCT 3002	TAXATION II	3

ACCT 3011	INTERMEDIATE ACCOUNTING I	3
ACCT 3012	INTERMEDIATE ACCOUNTING II	3
ACCT 3014	COST ACCOUNTING	3
ACCT 4001	ADVANCED ACCOUNTING	3
ACCT 4002	AUDITING	3
	Sub-Total Credits	**21**

Business Core Requirements

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Major Electives

Choose 6 credits:

Course Code	Title	Credits
ACCT 2025	ACCOUNTING WITH COMPUTERS	3
ACCT 4051	INTERNSHIP I @	1-6
ACCT 4052	INTERNSHIP II @	1-6
ADMG 2010	BUSINESS LAW II	3
ADMG 3010	BUSINESS ORGANIZATION AND	3
FINC 3031	INVESTMENTS	3
FINC 3034	COMMERCIAL BANK MANAGEMENT	3
FINC 4033	INTERMEDIATE FINANCIAL MANAGEMENT	3
INMT 4046	INTERNATIONAL FINANCE	3
INMT 4048	INTERNATIONAL LEGAL ENVIRONMENT	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 2050	DISTRIBUTED SYSTEMS	3
	Sub-Total Credits	**6**

Skills Component Requirements

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

	Total Credits	**84**

Aviation Management, BS

Degree Type
Major

Aviation Management at La Roche University is offered through a Consortium Agreement with Community College of Beaver County (CCBC). Students will be full-time at La Roche, with some of their credits each semester being completed online through CCBC. Upon completion of their Associates degree at CCBC, students become eligible for La Roche's abbreviated Core Curriculum. Students who do not earn this Associates degree must complete La Roche's full Core Curriculum.

The student is responsible for making arrangements towards, and all costs associated with flight time towards certifications and ratings with the flight provider. This is required for completion of the CCBC associate degree.

The Aviation Management B.S. program has three tracks:

1. Professional Pilot Track
2. Advanced Piloting Track
3. Air Traffic Control Track

All tracks will require:

- Complete Business Core, Business Skills courses, and College Core
- Complete minimum 120 overall credits
    - Students wanting ROTC would graduate with more than the above number of total credits.

Professional Pilot track:

- Complete 45 credits of Aviation Management (Professional Pilot Track) Major Requirements and 3-4 credits of Aviation Management (Professional Pilot Track) Major Electives

Advanced Piloting track:

- Complete 38 credits of Aviation Management (Advanced Piloting Track) Major Requirements and 4 credits of Aviation Management (Advanced Piloting Track) Major Electives

Air Traffic Control track:

- Complete 58 credits of Aviation Management (Air Traffic Control Track) Major Requirements

Advanced Piloting Track Major Electives

Select 2:

Course Code	Title	Credits
AVIP 2800	@CCBC: CERT FLT INSTRUCTOR AIRPLANE	2
AVIP 2850	@CCBC: CERT FLT INST - INSTRUMENTS	2
AVIP 2880	@CCBC CERT FLT INST - MULTI-ENGINE	2
	Sub-Total Credits	**6**

Advanced Piloting Track Required Courses

Course Code	Title	Credits
AVIP 1200	@CCBC: FOUND & DEVELOP OF AVIATION	3
AVIP 1800	@CCBC: INSTRUMENT FLIGHT THEORY	7
AVIP 1900	@CCBC: INSTRUMENT FLIGHT RATING	2
AVIP 2020	@CCBC: AIRCRAFT ENGINES THEORY	3
AVIP 2040	@CCBC: AIRCRAFT SYSTEMS THEORY	3
AVIP 2150	@CCBC: COMMERCIAL FLIGHT THEORY	5
AVIP 2200	@CCBC: COMMERCIAL FLIGHT CERT. I	3
AVIP 2250	@CCBC: COMMERCIAL FLIGHT CERT II	3
AVIP 2500	@CCBC: MULTIENGINE FLIGHT RATING	1
AVIP 2600	@CCBC: HUMAN FACTORY THEORY	3
AVIP 2700	@CCBC: AERODYNAMICS OF FLIGHT	3
AVIP 2750	@CCBC CERT FLIGHT INSTRUCTOR THEORY	2
	Sub-Total Credits	**38**

Air Traffic Control Track

Course Code	Title	Credits
AVIC 1600	@CCBC: FLIGHT THEORY FUNDAMENTALS I	7
AVIC 1800	@CCBC FLIGHT THEORY FUNDAMENTALS II	7
AVIC 2000	@CCBC: ATC FLIGHT FUNDAMENTALS	1
AVIC 2350	@CCBC: AIR TRAFFIC CTRL PROCEDURES	3
AVIC 2380	@CCBC: FACILITY RATING II	5
AVIC 2390	@CCBC: FACILITY RATING	6
AVIC 2470	@CCBC: APPROACH CONTROL I	4
AVIC 2480	@CCBC: APPROACH CONTROL II	4
AVIC 2510	@CCBC NON-RADAR LAB	5
AVIC 2520	@CCBC NON-RADAR	4
AVIC 2560	@CCBC RADAR LAB	5
AVIC 2580	@CCBC RADAR LECTURE	4
AVIP 1200	@CCBC: FOUND & DEVELOP OF AVIATION	3
	Sub-Total Credits	**58**

Business Core Required Courses (Av Mgmt)

Course Code	Title	Credits

ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Business Skills Component (Av Mgmt)

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

Professional Pilot Major Electives

Select 2:

Course Code	Title	Credits
AVIP 2500	@CCBC: MULTIENGINE FLIGHT RATING	1
AVIP 2800	@CCBC: CERT FLT INSTRUCTOR AIRPLANE	2
AVIP 2850	@CCBC: CERT FLT INST - INSTRUMENTS	2
	Sub-Total Credits	**6**

Professional Pilot Track Required Courses

Course Code	Title	Credits
AVIP 1200	@CCBC: FOUND & DEVELOP OF AVIATION	3
AVIP 1600	@CCBC: PRIVATE PILOT FLIGHT THEORY	7
AVIP 1700	@CCBC: PRVT PILOT FLIGHT CERTIFICAT	3
AVIP 1800	@CCBC: INSTRUMENT FLIGHT THEORY	7
AVIP 1900	@CCBC: INSTRUMENT FLIGHT RATING	2
AVIP 2050	@CCBC: AIRCRAFT ENGINES AND SYSTEMS	4
AVIP 2150	@CCBC: COMMERCIAL FLIGHT THEORY	5
AVIP 2200	@CCBC: COMMERCIAL FLIGHT CERT. I	3
AVIP 2250	@CCBC: COMMERCIAL FLIGHT CERT II	3
AVIP 2600	@CCBC: HUMAN FACTORY THEORY	3
AVIP 2700	@CCBC: AERODYNAMICS OF FLIGHT	3
AVIP 2750	@CCBC CERT FLIGHT INSTRUCTOR THEORY	2
	Sub-Total Credits	**45**

	Total Credits	**120**

Finance

Degree Type
Major

Finance, a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

The central objectives of the major in finance are to develop students' critical and analytical skills and to enable them to apply these skills effectively in identifying and solving problems in the area of finance. A second program objective is to foster within the student awareness of values and moral issues in modern finance.

To successfully complete the Finance Degree, a minimum of 120 credits are required, the last 30 of which must be earned at La Roche University.

The following coursework is required:

- 48 credits of Business Core Requirements
- 18 credits of Finance Major Requirements
- 9 credits of Finance Major Electives
- 9 credits of Skills Components
- 34 credits of CORE Curriculum courses

*Note: A course used as a major requirement can not also be used as a major elective. The same course will not fulfill both a major requirement and a major elective.

Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Finance Major Electives

Choose 3:

Course Code	Title	Credits
ACCT 3001	TAXATION I	3
ACCT 3002	TAXATION II	3
ACCT 3011	INTERMEDIATE ACCOUNTING I	3
ACCT 3012	INTERMEDIATE ACCOUNTING II	3
ADMG 2010	BUSINESS LAW II	3
ADMG 3010	BUSINESS ORGANIZATION AND	3
FINC 4020	SIE AND SERIES 7 PREP PROGRAM	3
FINC 4025	FI-SOLVE APPLIED INVESTMENTS	3
FINC 4039	REAL ESTATE FINANCE	3
FINC 4051	INTERNSHIP I @	1-6
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
	Sub-Total Credits	**9**

Finance Major Required Courses

Choose 1:

Course Code	Title	Credits
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
	Sub-Total Credits	**3**

Finance Major Required Courses

Course Code	Title	Credits
FINC 3031	INVESTMENTS	3
FINC 3034	COMMERCIAL BANK MANAGEMENT	3
FINC 3040	RISK MANAGEMENT AND INSURANCE	3
FINC 4033	INTERMEDIATE FINANCIAL MANAGEMENT	3
INMT 4046	INTERNATIONAL FINANCE	3
	Sub-Total Credits	**15**

Skills Component Required Courses

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

	Total Credits	**84**

Information Technology

Degree Type
Major

The Information Technology program is not structured to be part of the Business Group, and therefore is not included in its ACBSP accreditation.

This major prepares students for employment in a wide range of technical computer-based occupations ranging from networking to database administration, help desk solutions, and web administration.

To successfully complete the Information Technology Major, the following coursework is required:

- 54 credits of IT Major Requirements
- 18-21 credits to secure a minor
- Note that all IT majors are required to take a minor. MIS (Management Information Systems) is not available as a minor for these purposes.
- 45-48 credits of CORE Curriculum courses and General Electives as required to reach 120.
  A minimum of 120 credits is required for completion of degree, the last 30 of which must be completed at La Roche University.

IT Major Required Courses

Course Code	Title	Credits
ENGL 2030	TECHNICAL WRITING	3
ISTC 1021	PROBLEM SOLVING	3
ISTC 1025	COMPUTER HARDWARE	3
ISTC 2005	IT: A GLOBAL PERSPECTIVE	3
ISTC 2008	INTRO TO CYBERSPACE	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2025	DISTANCE LEARNING AND IT SUPPORT	3
ISTC 2030	NETWORKING	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 3005	INTRO TO INTELLECTUAL PROPERTY	3
ISTC 3015	HUMAN-COMPUTER INTERACTION	3
ISTC 3030	LINUX	3
ISTC 3031	ADVANCED NETWORKING AND TELECOM	3
ISTC 3046	ADV DATA BASE MGMT SYSTEMS	3
ISTC 3064	PYTHON PROGRAMMING	3
ISTC 4042	SYSTEMS ANALYSIS AND DESIGN	3
ISTC 4055	IT-SENIOR SEMINAR	3
	Sub-Total Credits	**51**

IT Elective

Select 1:

Course Code	Title	Credits
ISTC 2050	DISTRIBUTED SYSTEMS	3
ISTC 3008	WEB PAGE USABILITY AND	3
ISTC 3020	COMPUTER PROGRAMMING: COBOL	3
ISTC 3028	SCRIPTING FOR THE WEB I	3
ISTC 4051	INTERNSHIP I @	1-6
	Sub-Total Credits	**3**

	Total Credits	**54**

International Management

Degree Type
Major

International Management, a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

The major in international management is designed to offer students an opportunity to broaden their perspectives to include the international aspects of management of business enterprise. A central objective is to train students interested in a career in international business by familiarizing them with the international operations of business enterprises and other institutions.

Students become familiar with the international economic and legal environment through a comprehensive review of international trade, foreign investment and the international monetary and legal systems. Students are further encouraged to develop a global perspective in their education by learning a foreign language, studying world geography, world politics and other courses with an international emphasis.

To complete the international management major successfully, the following course work is required:

- 48 credits in Business Core courses
- 9 credits of Skills Component courses
- 12 credits of International Management Major Requirements
- 12 credits of International Management Major Electives
- 6-8 credits in a Foreign Language other than the student's native language
- 34 credits of CORE Curriculum requirements

A minimum of 120 credits is required for graduation, the last 30 of which must be completed at La Roche University.

Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

International Management Major Electives

Choose 4:

Course Code	Title	Credits
CMET 2003	COMMUNICATION BETWEEN CULTURES	3
GEOG 2011	WORLD GEOGRAPHY	3
GEOG 2012	EUROPEAN GEOGRAPHY	3
GEOG 3010	CULTURAL GEOGRAPHY AND THE	3
INMT 4051	INTERNSHIP I - INTERNATIONAL	1-6
INMT 4057	INDEPENDENT STUDY -	3
INST 2001	GLOBAL POLITICS (POLI2001)	3
INST 3003	INTERNATIONAL POLITICAL ECONOMY	3
POLI 3021	COMPARATIVE GOVERNMENT	3
RELS 1003	WORLD RELIGIONS (SLRS)	3
	Sub-Total Credits	**12**

International Management Major Required Courses

Course Code	Title	Credits
ADMG 3003	INTERNATIONAL POLITICAL ECONOMY	3
INMT 3049	INT'L MKT AND EXPORT MGMT	3
INMT 4046	INTERNATIONAL FINANCE	3
INMT 4048	INTERNATIONAL LEGAL ENVIRONMENT	3
	Sub-Total Credits	**12**

Skills Component

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3

	MATH 1030 or MATH 1070	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

	Total Credits	**81**

Leadership

Degree Type
Major

The Leadership Program is not structured to be part of Business Group, and therefore is not included in its ACBSP accreditation.

THIS PROGRAM IS OFFERED ONLINE.
We've designed the Leadership bachelor degree completion program with your needs in mind. In as little as 19 months, you can earn a Bachelor of Science. Once you've earned your degree, you'll be poised to compete in a 21st-century economy and pursue a career in business or management.

With Leadership, we get down to business. We focus on writing, research methods, organizational behavior, information technology, human resources administration and communications. You'll enroll in our intensive 30-credit program and take 9 consecutive courses over a 19-month period. You'll work in cahoots with people who come from similar professional backgrounds.

The Leadership program is designed for the working adult that has already completed some college coursework. While the Leadership program only consists of 30 credits, you must complete the equivalent of 120 credits of college coursework to earn your degree. La Roche can accept up to 90 transfer credits in some situations. You can also explore other ways to meet the requirements, including:

- Traditional or accelerated courses from La Roche University
- College-Level Examination Program (CLEP), a standardized multiple choice test for various subject areas
- Credits earned through Credit For Life Experience
- Challenge Exams
  - 30 Leadership program credits
  - 90 Core/General elective credits (which includes transfer credits)
    This degree completion program is designed for adult and transfer students interested in careers in business and management. The goals of the Leadership degree completion program are to enhance and further develop:
  - Interpersonal and leadership skills
  - Written and oral communication skills
  - Real world problem solving and decision-making skills
  - Learner independence and self-reliance
  - Understanding of the research process and its application.

We *strongly recommend* that students have at least 60 credits in transfer. To successfully complete the Leadership Program, the following course work is required:

LEAD Component Required Courses

Course Code	Title	Credits
LEAD 3001	DYNAMICS OF TEAMS	3
LEAD 3051	INFORMATION LITERACY	3
LEAD 3056	MANAGEMENT & FINANCIAL ANALYSIS	6
LEAD 3061	MACRO-ORGANIZATIONAL BEHAVIOR	3
LEAD 4001	LEADERSHIP AND ETHICS	3
LEAD 4021	COMMUNICATING CHANGE	3
LEAD 4026	GLOBAL THINKING AND E-COMMERCE	3
LEAD 4031	HR CONCEPTS AND NEGOTIATIONS	3
LEAD 4061	CAPSTONE PROJECT	3

	Total Credits	**30**

Management, BA

Degree Type
Major

The Management (BA), a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

To successfully complete the Management (B.A.) Degree a minimum of 120 credits is required, the last 30 of which, and 50% of the major must be taken at La Roche University:

- 48 credits of Business Core Requirements
- 6 credits of Business Skills
- **12 credits of major electives (can be selected from any Accounting, Finance, Information Systems Technology,**

International Management, Management, Marketing, Supply Chain Management, or Sports & Entertainment Management course; except ACCT1001 or ADMG1001)
- 34 credits of Core Curriculum

Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Business Skills

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**6**

Management Major Electives

Complete 4 courses (12 credits) in any of the following course subjects, beyond the business core: ACCT, ADMG, FINC, ISTC, INMT, MRKT, SCMG, SEMG, with the exception of ACCT1001 and ADMG1001.

	Sub-Total Credits	**12**
	Total Credits	**66**

Management, BS

Degree Type
Major

The Management (BS), a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

This major is designed to give students a solid foundation in the area of management. The main goals of the program are to prepare students for career opportunities in business administration and to prepare them for further study at the graduate level in business or public administration.

To successfully complete the Management Degree a minimum of 120 credits is required, the last 30 of which must be taken at La Roche University.

The following coursework is required:

- 48 credits of Business Core Requirements
- **21 credits of Management Major Electives (can be selected from any of the Accounting, Finance, Information Systems, International Management, Management, Marketing, Supply Chain Management, or Sports & Entertainment Management courses, except ACCT1001 or ADMG1001)**
- 9 credits of Skills Components
- 34 credits of CORE Curriculum courses

Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3

FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Skills Component

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
	MATH 1030 or MATH 1070	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

Management Major Electives

Complete 7 courses (21 credits) in any of the following course subjects, beyond the business core: ACCT, ADMG, FINC, ISTC, INMT, MRKT, SCMG, SEMG, with the exception of ACCT1001 and ADMG1001.

	Sub-Total Credits	**21**

	Total Credits	**78**

Management Information Systems

Degree Type
Major

Management Information Systems, a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

The major is designed to provide students with the knowledge, abilities and attitudes needed to function effectively as business and organizational programmers and analysts. Further, it provides students with the educational background for lifelong professional, cultural, educational and personal development. The MIS major will receive in-depth education and training in at least three different career-related areas:

- In systems development methodologies, which provide the fundamental problem-solving approaches used in the profession
- In technical computer skills, which provide the tools for implementing those problem solutions
- In business theory, which provides an understanding of the context within which the systems are implemented.

To complete the Management Information Systems major successfully, the following course work is required.

- 48 Business Core Requirements credits
- 9 Skills Component credits
- 27 MIS major credits
- 3 MIS major elective credits
- 34 credits of Core Requirements
- A minimum of 120 credits are required for degree, the last 30 of which must be completed at La Roche University.

Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

MIS Major Electives

Select 1:

Course Code	Title	Credits

ACCT 2025	ACCOUNTING WITH COMPUTERS	3
ISTC 2025	DISTANCE LEARNING AND IT SUPPORT	3
ISTC 2030	NETWORKING	3
ISTC 3015	HUMAN-COMPUTER INTERACTION	3
ISTC 3020	COMPUTER PROGRAMMING: COBOL	3
ISTC 3030	LINUX	3
ISTC 3046	ADV DATA BASE MGMT SYSTEMS	3
ISTC 4051	INTERNSHIP I @	1-6
	Sub-Total Credits	**3**

MIS Major Required Courses

Course Code	Title	Credits
ISTC 1021	PROBLEM SOLVING	3
ISTC 1025	COMPUTER HARDWARE	3
ISTC 2008	INTRO TO CYBERSPACE	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 2050	DISTRIBUTED SYSTEMS	3
ISTC 3064	PYTHON PROGRAMMING	3
ISTC 4042	SYSTEMS ANALYSIS AND DESIGN	3
ISTC 4055	IT-SENIOR SEMINAR	3
	Sub-Total Credits	**27**

Skills Component

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
	MATH 1030 or MATH 1070	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

	Total Credits	**87**

Marketing

Degree Type
Major

Marketing, a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

The field of Marketing includes a variety of related business activities. While individual occupations within these diverse areas may be specialized, decisions in any one of them require a broad understanding of the marketing process and an ability to analyze the factors that influence it. The marketing process begins with the identification and design of products or services, which will satisfy customer needs in both for-profit and non-profit environments. It continues with the packaging, pricing, advertising, distribution, sales promotion and servicing of the firms' offerings, whether in the real space or virtual (internet) environment.

The major in Marketing is designed as a comprehensive study of all these activities, providing both the common background required for any marketing career and an opportunity for specialization based on the student's interests. Students learn through the classroom as well as outside research projects involving real world marketing challenges.

This broadly designed major is appropriate for careers in:

- Generalized marketing and brand management
- Advertising, PR, and promotional strategy
- Personal selling and sales management
- Retail merchandising and management, and
- Marketing research

In this extremely competitive age of business, marketing provides the tools and skills necessary for differentiating companies, products and individuals. An understanding of product design, advertising, pricing, consumer behavior and distribution management is also essential. This major will actively promote an internship experience for students that can greatly facilitate the job search process.

To complete the Marketing major successfully, the following course work is required:

- 48 Business Core Requirement credits
- 9 Skills Component credits
- 15 Marketing major required credits
- 15 Marketing major recommended electives
- 34 CORE academic program requirements and general electives

A minimum of 120 credits is required for graduation, the last 30 of which must be earned at La Roche University.

Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Business Skills Component

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

Marketing Major Electives

Choose 5 courses:

Course Code	Title	Credits
MRKT 2007	ADVERTISING	3
MRKT 2010	PUBLIC RELATIONS	3
MRKT 3016	PERSONAL SELLING	3
MRKT 3050	INTERNET MARKETING	3
MRKT 4016	BRAND MANAGEMENT	3
MRKT 4018	SERVICES MARKETING	3
MRKT 4035	RETAIL MARKETING AND MANAGEMENT	3
MRKT 4046	SALES MANAGEMENT	3
MRKT 4051	INTERNSHIP I @	1-6
SEMG 3031	SPORTS AND ENTERTAINMENT MARKETING	3
	Sub-Total Credits	**15**

Marketing Major Required Courses

Course Code	Title	Credits
MRKT 3012	BUYER BEHAVIOR	3
MRKT 3033	MARKETING RESEARCH	3
MRKT 3049	INT'L MKT AND EXPORT MGMT	3
MRKT 4014	MARKETING STRATEGY	3
MRKT 4031	CONTEMPORARY CONCEPTS IN MARKETING	3
	Sub-Total Credits	**15**

	Total Credits	**87**

Professional Studies

Degree Type
Major

The Professional Studies program is not structured to be part of the Business Group, and therefore is not included in its ACBSP accreditation.

This is a capstone program for adult students who wish to complete their college education. This program is designed to enhance workplace skills such as planning, workflow management, problem solving, listening and communication, labor/management relations and motivation techniques.

This degree completion program is designed for adult and transfer students interested in business and management.

To complete the professional studies major successfully, the following course work is required:

- 45 or more transfer credits
- 18 credits as listed under Applied Professional Studies
- 18 credits as listed under either Track I, II, or III (50% of the track must be at 3000 or 4000 level)

- 9 credits listed under Business Skills
- 33 credits of CORE Curriculum courses
- 42 General Elective credits

A minimum of 120 credits is required for graduation, the last 30 of which must be earned at La Roche University.

Applied Professional Studies

Course Code	Title	Credits
ADMG 1005	MACROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
	ACCT 1001 or ACCT 2003	3
	Sub-Total Credits	**18**

Business Skills Components

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

Track 1 - Human Resources Concentration

Course Code	Title	Credits
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 3015	PROJECT MANAGEMENT	3
ADMG 4036	ORGANIZATION THEORY	3
ADMG 4040	BUSINESS ETHICS: TOPICS AND	3
	GNRL XXXX: General Elective	3
	GNRL XXXX: General Elective	3
	Sub-Total Credits	**18**

Track 2 - Public Relations Concentration

Course Code	Title	Credits
MRKT 2007	ADVERTISING	3
MRKT 2021	MARKETING MANAGEMENT	3
MRKT 3033	MARKETING RESEARCH	3
	GNRL XXXX: General Elective	3
	GNRL XXXX: General Elective	3
	GNRL XXXX: General Elective	3
	Sub-Total Credits	**18**

Track 3 - Executive Track

Course Code	Title	Credits
	ACCT, FINC, ISTC, INMT, ADMG, MRKT Courses	15
ADMG 4055	SEMINAR - BUSINESS POLICY	3
	Sub-Total Credits	**18**

	Total Credits	**45**

Sports & Entertainment Management

Degree Type
Major

Students in the Sports and Entertainment Management major will demonstrate a proficiency in key concepts, issues, and strategies in the Sports & Entertainment industry. They will develop a specialized set of skills in marketing, legal, and risk assessment in the industry and address supplementary skills including industry ethics and presentation skills.

Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3

ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Business Skills Component (SEM)

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

Major Electives

Select 3:

Course Code	Title	Credits
ENGL 3035	WRITING FOR BROADCAST & SOCIAL MEDI	3
INMT 4046	INTERNATIONAL FINANCE	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
MRKT 2007	ADVERTISING	3
MRKT 4001	MARKETING FOR NONPROFITS	3
MRKT 4016	BRAND MANAGEMENT	3
	Sub-Total Credits	**9**

Major Requirements

Course Code	Title	Credits
SCMG 3040	LOGISTICS MANAGEMENT	3
SEMG 3020	SPORTS AND ENTERTAINMENT LAW	3
SEMG 3030	SPORTS & ENTERTAINMENT MANAGEMENT	3
SEMG 3031	SPORTS AND ENTERTAINMENT MARKETING	3
SEMG 3035	SPORTS GOVERNANCE & POLICY	3
SEMG 4025	RISK MANAGEMENT IN SPORTS & ENT.	3
SEMG 4051	Sports & Entertainment Internship	3
	Sub-Total Credits	**21**

	Total Credits	**87**

Supply Chain Management

Degree Type
Major

The Business Group at La Roche University fosters a high standard of academic rigor and engagement, professionalism and creativity among the community of scholars who have selected Business as their discipline of study. Students acquire proficiency in all traditional core areas of Business Management as well as their selected area of focus: Accounting, Finance, International Management, Management, Management Information Systems, Marketing, and Supply Chain Management. The Business Group incorporates an interdisciplinary perspective through its professional and liberal education leading to successful, just leaders within a constantly changing global society.

All Business Group programs share the following components:

- A common mission statement (see above)
- A common college core curriculum
- A Common Professional Component (CPC)
- A common assessment process for Institutional Assessment (WEAVE)
- A common assessment process for ACBSP purposes
- A common and interdisciplinary structure which enables dual majors and multiple minors

REQUIREMENTS: To successfully complete the Supply Chain Management major within the Business Group, the following coursework is required:

- 48 credits as listed under “Major Component/ Requirements” (Business Core)
- 18 credits of Major Requirements
- 9 credits of Major Electives
- 9 credits Skills Component
- 34 CORE credits

- 2 credits General Electives
- A minimum number of 120 credits are required for the degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

SCM Business Core Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**45**

SCM Business Skills Component

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**9**

SCM Major Electives

Choose 3 courses:

Course Code	Title	Credits
ACCT 3002	TAXATION II	3
ACCT 3014	COST ACCOUNTING	3
INMT 4046	INTERNATIONAL FINANCE	3
INMT 4048	INTERNATIONAL LEGAL ENVIRONMENT	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
SCMG 4051	Supply Chain Management Internship	3
	Sub-Total Credits	**9**

SCM Required Courses

Course Code	Title	Credits
ADMG 3003	INTERNATIONAL POLITICAL ECONOMY	3
ADMG 3015	PROJECT MANAGEMENT	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
SCMG 3010	QUALITY MANAGEMENT	3
SCMG 3040	LOGISTICS MANAGEMENT	3
SCMG 4055	SEMINAR IN SUPPLY CHAIN MANAGEMENT	3
	Sub-Total Credits	**18**

	Total Credits	**81**

Accounting

Degree Type
Master's Degree

Accounting (MS), a program in the Business Group is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

The Management Division in collaboration with the Accounting Department at La Roche University, have developed a Master of Science in Accounting. The program is tailored to meet the needs of the Accounting professional who is becoming more and more critical in businesses, both small and large. The 30-credit masters level Accounting Program will offer one of the few comprehensive, non-MBA, graduate Accounting programs in Western Pennsylvania.

It is our desire that students enrolled in the graduate program at La Roche will develop advanced accounting skills and techniques that can be put to use immediately to enhance their career and their competitiveness.

The graduate program will prepare the accounting student for the challenges and issues within the complex and changing field of accounting. The program will prepare students to succeed by exploring advance topics such as international accounting, updates in SEC reporting and contemporary topics in taxation. Students will also have the opportunity to apply their coursework, accounting principles and techniques to a real organization in the Applied Research in Accounting course. Upon successful completion of the Master of Science in Accounting, graduates will be prepared for successful careers in the accounting field, as well as provide the necessary preparation for CPA licensure.

OBJECTIVES:

- To provide students with sound theoretical background in the accounting field and develop professional competencies in advanced accounting, taxation, forensic accounting and advanced auditing.
- To provide students with the requisite specialized knowledge of advanced accounting principles and to do so in an ethical and responsible manner.
- To contribute to the profession of Accounting by preparing students for the CPA exam and/or requirements for licensure.

Students have the option to complete an optional internship and/or independent study for credit, however those credits will be earned in addition to the 30 credits required for the degree.

Required Courses

Course Code	Title	Credits
ACCT 5020	ETHICS & PROFES RESPONSIB IN ACCTG	3
ACCT 5035	MODERN ACCOUNTING INFORMATION	3
ACCT 5040	THE BUSINESS OF READING & WRITING	3
ACCT 5050	FRAUD EXAMINATION	3
ACCT 6020	ADVANCED FORENSIC ACCOUNTING	3
ACCT 6050	WEALTH MANAGEMENT	3
ACCT 6060	ACCOUNTING FOR NOT-FOR-PROFIT ENTIT	3
ACCT 6080	CONTEMPORARY ISSUES IN TAXATION	3
ACCT 6085	INTERNATIONAL ACCOUNTING	3
ACCT 6099	APPLIED RESEARCH	3
	Total Credits	**30**

Accounting 4+1 Bachelor and Master Combined Program

Degree Type
Master's Degree

The undergraduate Accounting major and the Master of Science in Accounting, programs in the Business Group, are accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading, specialized accreditation association for business education.

The 4+1 program was established to create a seamless transition from undergraduate to graduate study. The Master of Science in Accounting offers an advanced level of study in various, specific topics in the accounting profession that do not typically appear in the undergraduate level. Students enrolled in the program will be able to further their professional careers with the knowledge gained from these advanced level courses. Students' successful completion of this program will meet the 150-hour CPA certification requirement.

To successfully complete the Accounting 4+1 major, the following coursework is required:

- 48 credits listed under Business Core (major component)
- 21 credits of Major Requirements
- 6 credits of Major Electives
- 9 credits of Skills Component
- 34 CORE credits
- General Elective credits if needed
- 30 Master's Level Credits
- A minimum of 150 credits are required for degree, the last 30 of which must be earned at La Roche University. (Developmental course work does not count toward the minimum number of credits required for graduation)

Accounting Major Requirements

Course Code	Title	Credits
ACCT 3001	TAXATION I	3
ACCT 3002	TAXATION II	3
ACCT 3011	INTERMEDIATE ACCOUNTING I	3

ACCT 3012	INTERMEDIATE ACCOUNTING II	3
ACCT 3014	COST ACCOUNTING	3
ACCT 4001	ADVANCED ACCOUNTING	3
ACCT 4002	AUDITING	3
	Sub-Total Credits	**21**

Business Core Requirements

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
ADMG 1005	MACROECONOMICS	3
ADMG 1006	MICROECONOMICS	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2009	BUSINESS LAW I	3
ADMG 2018	ORGANIZATIONAL BEHAVIOR	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
ADMG 4020	OPERATIONS MANAGEMENT	3
ADMG 4055	SEMINAR - BUSINESS POLICY	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
INMT 3039	INTERNATIONAL BUSINESS MGMT	3
ISTC 1010	DIGITAL LITERACY	3
MRKT 2021	MARKETING MANAGEMENT	3
	Sub-Total Credits	**48**

Major Electives

Choose 6 credits:

Course Code	Title	Credits
ACCT 2025	ACCOUNTING WITH COMPUTERS	3
ACCT 4051	INTERNSHIP I @	1-6
ACCT 4052	INTERNSHIP II @	1-6
ADMG 2010	BUSINESS LAW II	3
ADMG 3010	BUSINESS ORGANIZATION AND	3
FINC 3031	INVESTMENTS	3
FINC 3034	COMMERCIAL BANK MANAGEMENT	3
FINC 4033	INTERMEDIATE FINANCIAL MANAGEMENT	3
INMT 4046	INTERNATIONAL FINANCE	3
INMT 4048	INTERNATIONAL LEGAL ENVIRONMENT	3
ISTC 1006	Advanced Practical Computer Applications	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 2050	DISTRIBUTED SYSTEMS	3
	Sub-Total Credits	**6**

Master's Level

Course Code	Title	Credits
ACCT 5020	ETHICS & PROFES RESPONSIB IN ACCTG	3
ACCT 5035	MODERN ACCOUNTING INFORMATION	3
ACCT 5040	THE BUSINESS OF READING & WRITING	3
ACCT 5050	FRAUD EXAMINATION	3
ACCT 6020	ADVANCED FORENSIC ACCOUNTING	3
ACCT 6050	WEALTH MANAGEMENT	3
ACCT 6060	ACCOUNTING FOR NOT-FOR-PROFIT ENTIT	3
ACCT 6080	CONTEMPORARY ISSUES IN TAXATION	3
ACCT 6085	INTERNATIONAL ACCOUNTING	3
ACCT 6099	APPLIED RESEARCH	3
	Sub-Total Credits	**30**

Skills Component Requirements

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
MATH 1030	CALCULUS FOR BUSINESS, ECON, & MGMT	3
MATH 1040	PROBABILITY AND STATISTICS	3

	Sub-Total Credits	**9**
	Total Credits	**114**

Human Resources Management

Degree Type
Master's Degree

Human Resources Management (MS), a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

La Roche University's human resources master's program is tailored to the needs of the HR professional and offers a solid managerial base to others who take on the challenge of managing a workforce. La Roche University offers one of the few comprehensive human resource management programs in Pennsylvania. Achieving your Master of Science degree in Human Resources Management will place you several rungs above the competition.

Effective managers get things done through people. They need to draw on storehouses of practical and theoretical knowledge. At La Roche, you'll develop coaching skills and learn business principles and management techniques that you can put to use immediately to enhance your career and your competitiveness. You will gain the career mobility you desire. And you will earn a valuable and respected credential - a master's degree in Human Resource Management.

The HRM Master's Curriculum

The program consists of 36 credits. Courses follow a well-sequenced plan founded on a common core of 21 credits. The common core, taken by all students, offers an interdisciplinary foundation that provides students with knowledge pertaining to the major issues in human resource management. In order to graduate with a M.S. in HRM, no individual graduate course can receive a grade of a “C“ or lower AND the overall GPA to graduate must be at a minimum of a 3.0.

HR Concentrations

Beyond the 21 core credits students specialize in one of three concentrations:

- Concentration A-HR Administration
- Concentration B- Training and Development
- Concentration C-Strategic Management and Leadership

The La Roche Graduate Program faculty are dedicated professors who enjoy leadership positions in their areas of expertise. Adjunct faculty are respected professionals in Pittsburgh's public and private sectors. Together, they provide a unique blend of theory and application.

Students should also successfully complete all prerequisite courses required for admission. Prerequisite coursework credits do not count toward the 36 credit graduate degree completion requirement.

Part-time students typically finish the HRM program in two and one-half years; however, every student is afforded six years in which to complete his/her study. Students may also finish in less than two years, depending on time available for graduate study.

On rare occasions transfer credits may be awarded for previous graduate coursework as well as credits earned in the Graduate Courses.

In addition to the Master's Program, we offer 4 certifications in particular areas of HR:

- Self-Designed Certificate in HR
- HR Generalist
- Strategic HR Professional
- HR Consultant

Click on the link above to learn more about the HRM Certificate programs.

Following are the Concentration, Core and Elective requirements for the Masters of Science in Human Resources Management.

Core Course Requirements

Course Code	Title	Credits
HRMT 5011	CONCEPTS OF FIN ANAL AND BUDGET	3
HRMT 5012	LEGAL ASPECTS OF HRM	3
HRMT 5013	QUANT. RES. METHODS IN HRM	3
HRMT 5022	INTERNATIONAL HRM AND DIVERSITY	3
HRMT 5025A	INTEGRATIVE SEMINAR	3
HRMT 5025B	INTEGRATIVE SEMINAR	3
HRMT 6038	STRATEG FOR PROFES & ACAD COMMUNICA	3
	Sub-Total Credits	**21**

Concentration A - HR Administration

Course Code	Title	Credits
	HRMT 6013 or HRMT 6015	3
HRMT 6017	RECRUITMENT AND PLACEMENT	3
	Sub-Total Credits	**6**

Choose 9 credits from the following:

Course Code	Title	Credits
HRMT 5020	ORGANIZATIONAL BEHAVIOR	3
HRMT 6000	HUMAN RESOURCES INFORMATION	3
HRMT 6002	WORKFORCE DIVERSITY: LOCAL AND	3
HRMT 6011	ADV. TOPICS IN LEGAL ASPECTS	3
HRMT 6012	TRAINING AND DEVELOPMENT	3
HRMT 6013	COMPENSATION MANAGEMENT	3
HRMT 6015	EMPLOYEE BENEFITS ADMINISTRATION	3
HRMT 6016	EMPLOYEE HEALTH AND SAFETY	3
HRMT 6017	RECRUITMENT AND PLACEMENT	3
HRMT 6018	LEADERSHIP	3
HRMT 6021	LABOR RELATIONS AND COLLECTIVE	3
HRMT 6035	SHRM LEARNING SYSTEM	3
HRMT 6036	PERFORMANCE MANAGEMENT	3
	Sub-Total Credits	**9**

Concentration B - Training and Development

Course Code	Title	Credits
HRMT 6012	TRAINING AND DEVELOPMENT	3
HRMT 6020	INTERVENTION & ORGANIZATIONAL CHANG	3
	Sub-Total Credits	**6**

Choose 9 credits from the following:

Course Code	Title	Credits
HRMT 5020	ORGANIZATIONAL BEHAVIOR	3
HRMT 6001	COMPUTER AND WEB BASED TRAINING	3
HRMT 6002	WORKFORCE DIVERSITY: LOCAL AND	3
HRMT 6006	TOPICS IN HRM:	3
HRMT 6012	TRAINING AND DEVELOPMENT	3
HRMT 6016	EMPLOYEE HEALTH AND SAFETY	3
HRMT 6018	LEADERSHIP	3
HRMT 6020	INTERVENTION & ORGANIZATIONAL CHANG	3
HRMT 6034	MANAGING INFORMATION TECHNOLOGY	3
HRMT 6035	SHRM LEARNING SYSTEM	3
HRMT 6036	PERFORMANCE MANAGEMENT	3
	Sub-Total Credits	**9**

Concentration C - Strategic Management

Course Code	Title	Credits
HRMT 6018	LEADERSHIP	3
HRMT 6036	PERFORMANCE MANAGEMENT	3
	Sub-Total Credits	**6**

Choose 9 credits from the following:

Course Code	Title	Credits
HRMT 5020	ORGANIZATIONAL BEHAVIOR	3
HRMT 6000	HUMAN RESOURCES INFORMATION	3
HRMT 6002	WORKFORCE DIVERSITY: LOCAL AND	3
HRMT 6006	TOPICS IN HRM:	3
HRMT 6011	ADV. TOPICS IN LEGAL ASPECTS	3
HRMT 6013	COMPENSATION MANAGEMENT	3
HRMT 6016	EMPLOYEE HEALTH AND SAFETY	3
HRMT 6017	RECRUITMENT AND PLACEMENT	3
HRMT 6018	LEADERSHIP	3
HRMT 6020	INTERVENTION & ORGANIZATIONAL CHANG	3

HRMT 6021	LABOR RELATIONS AND COLLECTIVE	3
HRMT 6035	SHRM LEARNING SYSTEM	3
HRMT 6036	PERFORMANCE MANAGEMENT	3
	Sub-Total Credits	**9**
	Total Credits	**36**

Information Systems

Degree Type
Master's Degree

Information Systems (MS), a program in the Business Group is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

The Master of Science in Information Systems program at La Roche University prepares students for the organizational and technological challenges in design, application, implementation, and management of information systems. Designed as a flexible program model, IS students of varying knowledge levels, abilities, and diverse backgrounds will be provided with a strong foundational basis applicable across multiple industries and career paths. Critical thinking will be emphasized through case study analysis and project management implementation. Students will be expected to develop competencies in five main areas:

1. Integrated technical expertise
2. Project management, change management, and best practices in information systems development implementation and management
3. Ethical business practices and governance of information
4. Professional delivery of oral and written communication
5. Development of Information Systems strategies within the context of organizational goals and objectives

To successfully complete the Master of Science in Information Systems, the following coursework is required:

- 4 Undergraduate prerequisites as listed below
- 27 Credits under Core Requirements
- 3 Elective Credits

UNDERGRADUATE PREREQUISITES
Satisfactory completion **(grade of "C" or better)** of four undergraduate prerequisites that must be completed within the first three semesters of graduate study. These include:

1. Programming in Python or Java; LRU course – ISTC3064 or ISTC3034, or transfer equivalent, or work experience
2. Database Management Systems; LRU course– ISTC2045 or ISTC3046, or transfer equivalent, or work experience
3. Management of Information Systems; LRU course – ISTC2021, or transfer equivalent, or work experience
4. Systems Analysis and Design; LRU course – ISTC4042, or transfer equivalent, or work experience

Required Courses

Course Code	Title	Credits
ISTG 5010	CYBER SECURITY & DISASTER RECOVERY	3
ISTG 5015	SOCIAL COMPUTING SYSTEMS	3
ISTG 5020	CLOUD COMPUTING & CLIENT ARCHITECTU	3
ISTG 5025	LEGAL & ETHICAL ISSUES IN INFORM SY	3
ISTG 6010	OBJECT ORIENTED SYSTEMS	3
ISTG 6015	DATA MINING, DATA ANALYTICS AND	3
ISTG 6005	APPLIED AI: BUILDING & DEPLOYING AI SOLUTIONS	3
ISTG 6025	PROJECT MANAGEMENT	3
ISTG 6050	MSIS CAPSTONE EXPERIENCE	3
	Sub-Total Credits	**27**

Required Electives

Course Code	Title	Credits
HRMT 5020	ORGANIZATIONAL BEHAVIOR	3
ISTG 6030	ENTERPRISE INFORMATION SYSTEMS	3
	Sub-Total Credits	**6**
	Total Credits	**33**

Accounting

Degree Type
Minor

Eighteen (18) credits are required for completion of a minor in Accounting. Students interested in preparing for the CPA examination should consult with the Accounting Department Chair for assistance. Completion of this minor alone may not

necessarily facilitate adequate preparation for the professional credential. The minor must be completed within the student's graduation timetable.

Required Electives

Choose 3:

Course Code	Title	Credits
ACCT 2025	ACCOUNTING WITH COMPUTERS	3
ACCT 3001	TAXATION I	3
ACCT 3002	TAXATION II	3
ACCT 3011	INTERMEDIATE ACCOUNTING I	3
ACCT 3012	INTERMEDIATE ACCOUNTING II	3
ACCT 3014	COST ACCOUNTING	3
ACCT 4001	ADVANCED ACCOUNTING	3
ACCT 4002	AUDITING	3
	Sub-Total Credits	**9**

Required Courses

Course Code	Title	Credits
ACCT 2003	ACCOUNTING I	3
ACCT 2004	ACCOUNTING II	3
ACCT 2013	MANAGERIAL ACCOUNTING	3
	Sub-Total Credits	**9**

	Total Credits	**18**

Finance

Degree Type
Minor

Twenty-one credits (21) are required for completion of a minor in Finance.

The minor must be completed within the student's graduation timetable.

*Note: A course used as a minor requirement can not also be used as a minor elective. The same cousre will not fulfill both a minor requirement and a minor elective.

Required Electives

Choose 2:

Course Code	Title	Credits
ACCT 3001	TAXATION I	3
ACCT 3002	TAXATION II	3
ACCT 3011	INTERMEDIATE ACCOUNTING I	3
ACCT 3012	INTERMEDIATE ACCOUNTING II	3
FINC 3034	COMMERCIAL BANK MANAGEMENT	3
FINC 3040	RISK MANAGEMENT AND INSURANCE	3
FINC 4020	SIE AND SERIES 7 PREP PROGRAM	3
FINC 4025	FI-SOLVE APPLIED INVESTMENTS	3
FINC 4039	REAL ESTATE FINANCE	3
FINC 4051	INTERNSHIP I @	1-6
INMT 4046	INTERNATIONAL FINANCE	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
	Sub-Total Credits	**6**

Required Courses

Course Code	Title	Credits
FINC 3031	INVESTMENTS	3
FINC 3032	FINANCIAL MANAGEMENT	3
FINC 3036	FINANCIAL INSTITUTIONS	3
FINC 4033	INTERMEDIATE FINANCIAL MANAGEMENT	3
	Sub-Total Credits	**12**

Minor Required Courses

Choose 1:

Course Code	Title	Credits
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3

ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
	Sub-Total Credits	**3**

	Total Credits	**21**

Information Technology

Degree Type
Minor

Requirements: 18 credits

The minor must be completed within the student's graduation timetable.

Required Courses

Course Code	Title	Credits
ISTC 1021	PROBLEM SOLVING	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
	Sub-Total Credits	**6**

Required Electives

Choose 4:

Course Code	Title	Credits
CRIM 3043	COMPUTER CRIME	3
CSCI 4055	ADVANCED DATABASE THEORY	3
ISTC 1006	Advanced Practical Computer Applications	3
ISTC 1025	COMPUTER HARDWARE	3
ISTC 2005	IT: A GLOBAL PERSPECTIVE	3
ISTC 2008	INTRO TO CYBERSPACE	3
ISTC 2025	DISTANCE LEARNING AND IT SUPPORT	3
ISTC 2030	NETWORKING	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 3005	INTRO TO INTELLECTUAL PROPERTY	3
ISTC 3008	WEB PAGE USABILITY AND	3
ISTC 3015	HUMAN-COMPUTER INTERACTION	3
ISTC 3046	ADV DATA BASE MGMT SYSTEMS	3
ISTC 3064	PYTHON PROGRAMMING	3
	Sub-Total Credits	**12**

	Total Credits	**18**

Management

Degree Type
Minor

Business Group majors may not declare a management minor. The minor must be completed within the student's graduation timetable.

To complete the Management Minor, 18 credits are required.

Required Courses

Course Code	Title	Credits
ADMG 1001	INTRO TO ADMINISTRATION & MGMT	3
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
ADMG 2025	HUMAN RESOURCES ADMINISTRATION	3
MRKT 2021	MARKETING MANAGEMENT	3
	ADMG 1005 or ADMG 1006	3
	ACCT 1001 or ACCT 2003	3

	Total Credits	**18**

Management Information Systems

Degree Type
Minor

Requirements: 18 credits

The minor must be completed within the student's graduation timetable.

Required Courses

Course Code	Title	Credits
ISTC 1021	PROBLEM SOLVING	3

ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
ISTC 3046	ADV DATA BASE MGMT SYSTEMS	3
ISTC 3064	PYTHON PROGRAMMING	3
	Sub-Total Credits	**15**

Required Courses

Choose 1:

Course Code	Title	Credits
ADMG 3015	PROJECT MANAGEMENT	3
ISTC 4042	SYSTEMS ANALYSIS AND DESIGN	3
	Sub-Total Credits	**6**

	Total Credits	**21**

Marketing

Degree Type
Minor

To complete the Marketing Minor, a total of 15 credits are required. The minor must be completed within the student's graduation timetable.

Minor Required Electives

Choose 3:

Course Code	Title	Credits
MRKT 2007	ADVERTISING	3
MRKT 3016	PERSONAL SELLING	3
MRKT 3033	MARKETING RESEARCH	3
MRKT 3049	INT'L MKT AND EXPORT MGMT	3
MRKT 3050	INTERNET MARKETING	3
MRKT 4016	BRAND MANAGEMENT	3
MRKT 4018	SERVICES MARKETING	3
MRKT 4031	CONTEMPORARY CONCEPTS IN MARKETING	3
MRKT 4035	RETAIL MARKETING AND MANAGEMENT	3
MRKT 4046	SALES MANAGEMENT	3
SEMG 3031	SPORTS AND ENTERTAINMENT MARKETING	3
	Sub-Total Credits	**9**

Minor Required Courses

Course Code	Title	Credits
MRKT 2021	MARKETING MANAGEMENT	3
	MRKT 3012 or MRKT 4014	3
	Sub-Total Credits	**6**

	Total Credits	**15**

Supply Chain Management

Degree Type
Minor

Minors must be completed within the student's graduation timeline. Students may not major and minor in the same department (e.g., accounting majors may not declare an accounting minor). Students with a business major can elect to complete one or two minors in other business areas (except the Management minor, which is for non-business majors only).

The Supply Chain Management minor requires completion of 15 credits total in the following:

- 12 credits of required courses
- 3 credits of minor electives

SCM Required Electives

Choose 1:

Course Code	Title	Credits
ACCT 3002	TAXATION II	3
ACCT 3014	COST ACCOUNTING	3
ADMG 3003	INTERNATIONAL POLITICAL ECONOMY	3
ADMG 3015	PROJECT MANAGEMENT	3
INMT 4046	INTERNATIONAL FINANCE	3
INMT 4048	INTERNATIONAL LEGAL ENVIRONMENT	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3

ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
SCMG 4051	Supply Chain Management Internship	3
	Sub-Total Credits	**3**

SCM Minor Required Courses

Course Code	Title	Credits
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
SCMG 3010	QUALITY MANAGEMENT	3
SCMG 3040	LOGISTICS MANAGEMENT	3
SCMG 4055	SEMINAR IN SUPPLY CHAIN MANAGEMENT	3
	Sub-Total Credits	**12**
	Total Credits	**15**

Natural and Behavioral Science Division

Radiologic Technology

Degree Type
Associate Degree

A major in Radiologic Technology is meant to prepare students for a career as a radiologic technologist, or radiographer, to perform sophisticated diagnostic x-ray tests to uncover a wide range of medical conditions. Students successfully completing this program are awarded an Associate of Science degree and are then eligible to sit for the national certification examination given by the American Registry of Radiologic Technologist.

Students wishing to earn a bachelor's degree can choose to enroll in the AS to BA program. Once the Associate of Science in Radiologic technology degree is completed, students can move seamlessly on to one of two Bachelor of Arts programs. Two Bachelor's degree completion options are available to students: B.A. in Health Science (primarily a science track) and a B.A. in Medical Imaging (primarily a management track). Both programs require completion of 120 credits to earn the B.A

La Roche University Radiography Program Mission Statement:

The La Roche University Department of Radiography Program is committed to educating competent radiologic technologists who have a deep respect for human dignity and strive for academic excellence. The University promotes lifelong learning while empowering peace that reflects the core values of inclusiveness, integrity, determination and compassion. We aim to develop professionals who serve with kindness, lead with humility and contribute to the health and well-being of their communities of interest to provide safe and effective medical imaging.

Fundamental Program Goals:

Upon completion of the program, the student will demonstrate:

- Clinical Competency
  - The student will apply technical skills regarding positioning patients
  - The student will identify proper selection of exposure factors
  - The student will utilize radiation protection measures on themselves and their patients
- Critical Thinking Skills
  - The student will adjust to non-routine patients and situations when performing examinations
  - The students will demonstrate proficiency when critiquing image quality
- Professionalism
  - The student will summarize the importance of continuing professional development
  - The student will explain the value of life-long learning
- Communication Skills
  - The student will demonstrate oral communication skills
  - The student will demonstrate written communication skills

Admissions Criteria and Guidelines:

- Must be 18 years of age by September 1st of the first fall semester
- High school graduate or general equivalency diploma
- Minimum GPA of 2.5 in high school of 12 credits from post-secondary institution
- Algebra II and Biology (high school or post-secondary) with a minimum grade of C
- Ability to physically perform the duties of a radiologic technologist regarding the Radiography Technical Standards Form
- Satisfactory results of screening for illegal drug use, Act 33 Child Abuse Clearance, Act 34 Criminal Background Check and Act 73 FBI Fingerprint Clearance**

Admission Guidelines:

- Interested candidates can apply to the radiography program by completing a La Roche University admission application.
- Technical Standards testing ensures that applicants have the ability to perform the basic physical tasks required for the profession of Radiologic Technology

** Drug screenings and background checks are conducted by La Roche University at summer orientation before the first fall semester. Students who test positive for illegal drugs or refuse to grant permission for the criminal background check will forfeit their position in the radiography program and will lose their deposit.

Science & Mathematics Courses

Course Code	Title	Credits
HSCU 1020	MEDICAL TERMINOLOGY	3
BIOL 1023	HUMAN ANATOMY AND PHYSIOLOGY I	3
BIOL 1023L	HUMAN ANAT & PHYSIO I LAB	1
BIOL 1024	HUMAN ANATOMY AND PHYSIOLOGY II	3
BIOL 1024L	HUMAN ANAT & PHYSIO II LAB	1
MATH 1010	COLLEGE ALGEBRA	3
PHYS 1010	PHYSICS FOR HEALTH SCIENCE	3
PHYS 1010L	PHYSICS FOR HEALTH SCIENCE - LAB	1
	Sub-Total Credits	**18**

Health Science Courses

Course Code	Title	Credits
HSCU 2001	RADIOLOGIC TECHNOLOGY I	2
HSCU 2002	CLINICAL I EDUCATION	2
HSCU 2002L	CLINICAL I LAB	1
HSCU 2002C	CLINICAL I	2
HSCU 2003	RADIOLOGIC TECHNOLOGY II	2
HSCU 2004	CLINICAL II EDUCATION	2
HSCU 2004L	CLINICAL II LAB	1
HSCU 2004C	CLINICAL II	2
HSCU 2005	RADIOLOGIC TECHNOLOGY III	2
HSCU 2006	CLINICAL III EDUCATION	1
HSCU 2006L	CLINICAL III LAB	1
HSCU 2006C	CLINICAL III	2
HSCU 2007	RADIOLOGIC TECHNOLOGY IV	3
HSCU 2008	CLINICAL IV EDUCATION	2
HSCU 2008L	CLINICAL IV LAB	1
HSCU 2008C	CLINICAL IV	3
HSCU 2009	RADIOLOGIC TECHNOLOGY V	2-3
HSCU 2010	CLINICAL V EDUCATION	2
HSCU 2010L	CLINICAL V LAB	1
HSCU 2010C	CLINICAL V	1-3
HSCU 2011	RADIOLOGIC TECHNOLOGY VI	1
HSCU 2012	CLINICAL VI EDUCATION	2
HSCU 2012C	CLINICAL VI	2
HSCU 2013	RADIOLOGIC TECHNOLOGY VII	3-6
	Sub-Total Credits	**41**

Academic Core Curriculum

15 credits including two Breadth of Knowledge courses.

Choose 1 course each from 2 categories (6 credits total):
Human Expression
Values & Ethics
Social Sciences
Global Perspectives

Course Code	Title	Credits
ENGL 1011	ACADEMIC READING AND WRITING	3
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
ISTC 1010	DIGITAL LITERACY	3
	Sub-Total Credits	**15**

	Total Credits	**74**

Global Health Care

Degree Type
Certificate

The Global Health Care certificate is designed for individuals interested in seeking competencies in active and effective roles contributing to the improvement of health outcomes within various cultural populations. The importance of policies, social determinants of health, and global health trends will be highlighted.

GENERAL RESTRICTIONS: This certificate is open to all majors. Students not seeking a degree presently at La Roche University are able to pursue this certificate. A high school diploma is required.

REQUIREMENTS: A total of 12 credits are required for completion of the certificate.

Required Courses

Course Code	Title	Credits
HMGT 3035	HEALTH POLICY IN THE HEALTH	3
HSCU 2016	GLOBAL HEALTH CARE (GLBL)	3
INST 2013	INTRO TO INTERNATIONAL STUDIES	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
	Total Credits	**12**

Health Leadership

Degree Type
Certificate

The Health Leadership certificate is designed for individuals interested in seeking competencies in active and effective roles focusing on our healthcare system and innovative leadership. Students will gain the necessary tools in order to succeed and lead in the dynamic evolving healthcare industry.

GENERAL RESTRICTIONS: This certificate is open to all majors, except Medical Imaging. Students not seeking a degree presently at La Roche University are able to pursue this certificate. A high school diploma is required.

REQUIREMENTS: A total of 12 credits are required for completion of the certificate.

Required Courses

Course Code	Title	Credits
HMGT 3010	HEALTH FINANCE FOR THE HEALTH	3
HMGT 3030	MANAGEMENT AND LEADERSHIP FOR	3
HMGT 3035	HEALTH POLICY IN THE HEALTH	3
PHIL 3027	BIOMEDICAL ETHICS	3
	Total Credits	**12**

Robotics

Degree Type
Certificate

The Robotics Certificate program is meticulously crafted to equip students and engineering professionals with a robust and comprehensive understanding of robotics. This program delves into the core principles of robotics, advanced programming techniques, and diverse applications across various industries. Participants will gain hands-on experience with cutting-edge robotic systems, learning to design, build, and program autonomous robots. The curriculum covers essential topics such as sensor integration, control systems, machine learning, and artificial intelligence, ensuring graduates are well-prepared to innovate and excel in the rapidly evolving field of robotics. This certificate is open to all majors. Students not seeking a degree presently at La Roche University are able to pursue this certificate. A high school diploma is required, along with the necessary course prerequisites (18 credits).

Required Courses

Course Code	Title	Credits
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
CSCI 2033	MECHATRONICS	3
CSCI 2033L	MECHATRONICS	1
CSCI 4070	INTRO TO ARTIFICIAL INTELLIGENCE	3
CSCI 4080	FUNDAMENTALS OF ROBOTICS	3
CSCI 4080L	FUNDAMENTALS OF ROBOTICS - LAB	1
	Total Credits	**15**

Doctor of Nurse Anesthesia Practice - Completion Program Track

Degree Type
Doctoral Degree

The Doctor of Nurse Anesthesia Practice Completion Program prepares graduates to assume leadership positions, with the ultimate goals of improving health care and patient outcomes. The Completion Program is for students who currently hold a master's degree and are Certified Registered Nurse Anesthetists (CRNA) who wish to pursue a doctoral degree. Graduates of the program are prepared to:

- Analyze current and emerging scientific knowledge and technologies to provide the highest level of nurse anesthesia practice.
- Translate applicable evidence-based research findings into practice.
- Initiate changes in response to social, political, economic and ethical issues in health care.
- Collaborate with multidisciplinary teams in the design, implementation, and evaluation of programs and policies for the improement of health care.
- Develop leadership skills to meet the challenges of increasingly complex health care and educational environments impacting the practice of nurse anesthesia.
- Employ teaching and learning principles in the education of individuals, families, anesthesia students and peers.
- Initiate physiologically sound, evidence-based and culturally sensitive individualized anesthesia care for diverse populations across the lifespan while considering the surgical procedures and comorbid conditions.
- Adhere to the American Nurse Anesthetist Association's (AANA) Code of Ethics and Practice standards.

Click here for admission requirements.

Required Courses

Course Code	Title	Credits
DNAP 7000	MEDICAL STATISTICS	3
DNAP 7001	EVALUATION AND DECISION MAKING	3
DNAP 7002	SYSTEMATIC LEADERSHIP I	3
DNAP 7003	HEALTH POLICY AND HEALTH CARE	3
DNAP 7004	SYSTEMATIC LEADERSHIP II	3
DNAP 7005	TEACHING STRATEGIES IN CLASSROOM	3
DNAP 7019	SCHOLARLY PROJECT I	2
DNAP 7024	SCHOLARLY WRITING	2
DNAP 7029	SCHOLARLY PROJECT II	2
DNAP 7039	SCHOLARLY PROJECT III	2
DNAP 7049	SCHOLARLY PROJECT IV	2
	Total Credits	**28**

Doctor of Nurse Anesthesia Practice - Entry Level Program Track

Degree Type
Doctoral Degree

The Doctor of Nurse Anesthesia Practice Entry Level Program prepares graduates to assume leadership positions, with the ultimate goals of improving health care and patient outcomes. Graduates of the program are prepared to:

- Analyze current and emerging scientific knowledge and technologies to provide the highest level of nurse anesthesia practice.
- Translate applicable evidence-based research findings into practice.
- Initiate changes in response to social, political, economic and ethical issues in health care.
- Collaborate with multidisciplinary teams in the design, implementation, and evaluation of programs and policies for the improvement of health care.
- Develop leadership skills to meet the challenges of increasingly complex health care and educational environments impacting the practice of nurse anesthesia.
- Employ teaching and learning principles in the education of individuals, families, anesthesia students and peers.
- Initiate physiologically sound, evidence-based and culturally sensitive individualized anesthesia care for diverse populations across the lifespan while considering the surgical procedures and comorbid conditions.
- Pass the National Certification Exam (NCE).
- Adhere to the American Nurse Anesthetist Association's (AANA) Code of Ethics and Practice standards.

Click here for admission requirements

Year 1, Fall

Course Code	Title	Credits
DNAP 7000	MEDICAL STATISTICS	3
DNAP 7003	HEALTH POLICY AND HEALTH CARE	3
DNAP 7009	MEDICAL PHYSICS	3
DNAP 7011	RESEARCH METHODOLOGY I	3
DNAP 7024	SCHOLARLY WRITING	2
	Sub-Total Credits	**14**

Year 1, Spring

Course Code	Title	Credits
DNAP 7001	EVALUATION AND DECISION MAKING	3
DNAP 7012	ADV. HUMAN ANATOMY, PHYSIOLOGY	4
DNAP 7013	ADVANCED PHARMACOLOGY I	3
DNAP 7014	ORGANIC AND MEDICINAL CHEMISTRY	3
	Sub-Total Credits	**13**

Year 1, Summer

Course Code	Title	Credits
DNAP 7015	BIOCHEMISTRY	3
DNAP 7016	PROF ASPECTS OF ANESTHESTHESIA	3
DNAP 7022	ADV. HUMAN ANAT, PHYSIO, PATHOPH II	4
DNAP 7023	ADVANCED PHARMACOLOGY II	3
	Sub-Total Credits	**13**

Year 2, Fall

Course Code	Title	Credits
DNAP 7010	PRACTICUM I	1
DNAP 7017	ADVANCED HEALTH ASSESSMENT	3
DNAP 7018	ANESTHESIA PRINCIPLES I	3
DNAP 7021	NURSING RESEARCH II: EVIDENCE	3
	Sub-Total Credits	**10**

Year 2, Spring

Course Code	Title	Credits
DNAP 7002	SYSTEMATIC LEADERSHIP I	3
DNAP 7005	TEACHING STRATEGIES IN CLASSROOM	3
DNAP 7020	PRACTICUM II	1
DNAP 7028	ANESTHESIA PRINCIPLES II	3
	Sub-Total Credits	**10**

Year 2, Summer

Course Code	Title	Credits
DNAP 7004	SYSTEMATIC LEADERSHIP II	3
DNAP 7019	SCHOLARLY PROJECT I	2
DNAP 7030	PRACTICUM III	1
DNAP 7038	ANESTHESIA PRINCIPLES III	3
	Sub-Total Credits	**9**

Year 3, Fall

Course Code	Title	Credits
DNAP 7029	SCHOLARLY PROJECT II	2
DNAP 7040	PRACTICUM IV	2
DNAP 7048	ADV. ANESTHESIA PRINCIPLES IV	3
	Sub-Total Credits	**7**

Year 3, Spring

Course Code	Title	Credits
DNAP 7039	SCHOLARLY PROJECT III	2
DNAP 7050	PRACTICUM V	2
DNAP 7058	ADV. ANESTHESIA PRINCIPLES V	3
	Sub-Total Credits	**7**

Year 3, Summer

Course Code	Title	Credits
DNAP 7049	SCHOLARLY PROJECT IV	2
DNAP 7060	PRACTICUM VI	2
DNAP 7068	ADV. ANESTHESIA PRINCIPLES VI	3
	Sub-Total Credits	**7**

	Total Credits	**90**

Bioengineering - Pitt

Degree Type
Joint Program

Dual Degree: Any Bachelor of Arts or Science degree from La Roche with Bachelor of Science in Engineering from University of Pittsburgh.

To successfully complete the terms of the articulation agreement, the following is required:

- Must be enrolled at LRC for at least the past 2 years
- Must have a QPA of 3.5 or higher at time of application to University of Pittsburgh engineering program
- Must receive favorable recommendation from the combined degree program liaison at LRC
- Must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
  - Foundations: 46 credits
  - Mathematics: 13 credits
  - Chemistry: 4-8 credits
  - Biological Sciences: 16 credits
  - Engineering: 3 credits (taken at University of Pittsburgh)
  - Engineering/Science elective: 3 credits (see pre-approved list below)
- Must have completed the major requirements prescribed by their LRC program prior to commencing study at the University of Pittsburgh or have a written plan in place to show how these requirements will be met at the University of Pittsburgh

Biological Sciences

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 2021	COMPARATIVE VERTEBRATE	4
BIOL 2021L	COMPARATIVE VERTEBRATE	0
BIOL 2022	COMPARATIVE VERTEBRATE	4
BIOL 2022L	COMPARATIVE VERTEBRATE	0
	Sub-Total Credits	**16**

Chemistry

Choose 4-8 credits:

(CHEM2016/L Optional)

Course Code	Title	Credits
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
	Sub-Total Credits	**4-8**

Engineering

Taken at University of Pittsburgh

Course Code	Title	Credits
ENGR 0135	Statistics & Mechanics of Materials 1	4
	Sub-Total Credits	**4**

Engineering/Science Elective

Choose 3 credits from pre-approved list:

Course Code	Title	Credits
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3015	GENERAL ECOLOGY	4
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 4019	IMMUNOLOGY	3
BIOL 4030	MOLECULAR BIOLOGY	3
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2020	ALGORITHM ANALYSIS	3
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
CSCI 2055	DATABASE-SYSTEMS THEORY	3
CSCI 3040	OPERATING SYSTEMS	3
CSCI 4045	COMPUTER NETWORKS AND	3
CSCI 4055	ADVANCED DATABASE THEORY	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 2051	DISCRETE MATHEMATICS II	3
MATH 3045	PROBABILITY AND STATISTICS II	3
MATH 4003	HISTORY OF MATHEMATICS	3
MATH 4015	MODERN ABSTRACT ALGEBRA	3
MATH 4020	GEOMETRY	3
MATH 4035	REAL ANALYSIS	3
	Sub-Total Credits	**3**

Foundation Courses

Includes 18 credits of Humanities and Social Science courses

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Humanities and Social Science Courses	18
	Sub-Total Credits	**46**

Mathematics

Course Code	Title	Credits
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 3015	LINEAR ALGEBRA	3
MATH 3040	PROBABILITY AND STATISTICS I	3
	Sub-Total Credits	**13**

	Total Credits	**86-90**

Chemical Engineering - Pitt

Degree Type
Joint Program

Dual Degree: Any Bachelor of Arts or Science Degree from La Roche with Bachelor of Science in Engineering from University of Pittsburgh.

To successfully complete the terms of the articulation agreement, the following is required:

- Must be enrolled at LRU for at least the past 2 years
- Must have a GPA of 3.0 or higher at time of application to University of Pittsburgh engineering program
- Must receive favorable recommendation from the combined degree program liaison at LRU
- Must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
  - Foundations: 46 credits
  - Mathematics: 10 credits
  - Chemistry: 10 credits
  - Advanced Science: 3 credits (choose one course from the list below)
  - Advanced Science Lab: 1 credit (choose one lab from the list below)
  - Engineering Electives: 3-4 credits (choose one course from the list below; ENGR courses offered at Pitt)
  - Technical/Professional Electives: 6 credits (choose two courses from the list below)
- Must have completed the major requirements prescribed by their LRU program prior to commencing study at the University of Pittsburgh Reor have a written plan in place to show how these requirements will be met at the University of Pittsburgh

Advanced Science Lab

Choose 1 course:

Course Code	Title	Credits
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
CHEM 3011L	ANALYTICAL CHEMISTRY I - LAB	1
CHEM 4033L	PHYSICAL CHEMISTRY II - LAB	1
	Sub-Total Credits	**1**

Advanced Science

Choose 1 course:

Course Code	Title	Credits
CHEM 3011	ANALYTICAL CHEMISTRY I	3
CHEM 3015	POLYMER CHEMISTRY	3
CHEM 3026	INORGANIC CHEMISTRY	3
	Sub-Total Credits	**3**

Chemistry

Course Code	Title	Credits
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 3036	BIOCHEMISTRY I (BIOL3036)	3
	Sub-Total Credits	**10**

Engineering Electives

Choose 1 course:

(ENGR courses offered at University of Pittsburgh)

Course Code	Title	Credits
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
ENGR 0022	Materials Structure & Properties	4
ENGR 0135	Statistics & Mechanics of Materials 1	4
	Sub-Total Credits	**3-4**

Engineering/Science Elective

Choose 3 credits from pre-approved list:

Course Code	Title	Credits
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3015	GENERAL ECOLOGY	4
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 4019	IMMUNOLOGY	3
BIOL 4030	MOLECULAR BIOLOGY	3
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2020	ALGORITHM ANALYSIS	3
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
CSCI 2055	DATABASE-SYSTEMS THEORY	3
CSCI 3040	OPERATING SYSTEMS	3
CSCI 4050	NUMERICAL COMPUTING I	3
CSCI 4055	ADVANCED DATABASE THEORY	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 2051	DISCRETE MATHEMATICS II	3
MATH 3045	PROBABILITY AND STATISTICS II	3
MATH 4003	HISTORY OF MATHEMATICS	3
MATH 4015	MODERN ABSTRACT ALGEBRA	3
MATH 4020	GEOMETRY	3
MATH 4035	REAL ANALYSIS	3
	Sub-Total Credits	**3**

Foundation Courses

Includes 18 credits of Humanities and Social Science courses

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Humanities and Social Science Courses	18
	Sub-Total Credits	**46**

Mathematics

Course Code	Title	Credits
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 3040	PROBABILITY AND STATISTICS I	3
	Sub-Total Credits	**10**

	Total Credits	76-77

Computer Engineering - Pitt

Degree Type
Joint Program

Dual Degree: Any Bachelor of Arts or Science Degree from La Roche with Bachelor of Science in Engineering from University of Pittsburgh.

To successfully complete the terms of the articulation agreement, the following is required:

- Must be enrolled at LRC for at least the past 2 years
- Must have a GPA of 3.0 or higher at time of application to University of Pittsburgh engineering program
- Must receive favorable recommendation from the combined degree program liason at LRC
- Must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
  - Foundations: 46 credits
  - Mathematics: 6 credits
  - Computer Science: 4 credits
  - Communications: 3 credits (choose one course from the list below)
  - Technical/ Professional Electives: 6 credits (choose two courses from the list below)
  - General Electives: 6 credits
- Must have completed the major requirements prescribed by their LRC program prior to commencing study at the University of Pittsburgh or have a written plan in place to show how these requirements will be met at the University of Pittsburgh

Communications

Choose 1 course:

Course Code	Title	Credits
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
ENGL 2029	BUSINESS COMMUNICATIONS	3
ENGL 2030	TECHNICAL WRITING	3
SPCH 1001	MODERN PUBLIC SPEAKING	3
	Sub-Total Credits	**3**

Computer Science

Course Code	Title	Credits
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
	Sub-Total Credits	**4**

Engineering/Science Elective

Choose 1 course from pre-approved list:

Course Code	Title	Credits
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3015	GENERAL ECOLOGY	4
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 4019	IMMUNOLOGY	3
BIOL 4030	MOLECULAR BIOLOGY	3
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2020	ALGORITHM ANALYSIS	3
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
CSCI 2055	DATABASE-SYSTEMS THEORY	3
CSCI 3040	OPERATING SYSTEMS	3
CSCI 4045	COMPUTER NETWORKS AND	3
CSCI 4055	ADVANCED DATABASE THEORY	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 2051	DISCRETE MATHEMATICS II	3
MATH 3045	PROBABILITY AND STATISTICS II	3
MATH 4003	HISTORY OF MATHEMATICS	3
MATH 4015	MODERN ABSTRACT ALGEBRA	3
MATH 4020	GEOMETRY	3
MATH 4035	REAL ANALYSIS	3
	Sub-Total Credits	**3**

Foundation Courses

Includes 18 credits of Humanities and Social Science courses

Course Code	Title	Credits

CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Humanities and Social Science Courses	18
	Sub-Total Credits	**46**

Mathematics

Course Code	Title	Credits
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 3015	LINEAR ALGEBRA	3
	Sub-Total Credits	**6**

	Total Credits	**62**

Electrical Engineering - Pitt

Degree Type
Joint Program

Dual Degree: Any Bachelor of Arts or Science Degree from La Roche with Bachelor of Science in Engineering from University of Pittsburgh.

To successfully complete the terms of the articulation agreement, the following is required:

- Must be enrolled at LRC for at least the past 2 years
- Must have a GPA of 3.0 or higher at time of application to University of Pittsburgh engineering program
- Must receive favorable recommendation from the combined degree program liaison at LRU
- Must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
  - Foundations: 46 credits
  - Mathematics: 13 credits
  - Communications: 3 credits (choose one course from the list below)
  - Technical/ Professional Electives: 6 credits (choose two courses from the list below)
  - General Electives: 6 credits
- Must have completed the major requirements prescribed by their LRU program prior to commencing study at the University of Pittsburgh or have a written plan in place to show how these requirements will be met at the University of Pittsburgh

Communications

Choose 1 course:

Course Code	Title	Credits
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
ENGL 2029	BUSINESS COMMUNICATIONS	3
ENGL 2030	TECHNICAL WRITING	3
SPCH 1001	MODERN PUBLIC SPEAKING	3
	Sub-Total Credits	**3**

Engineering/Science Elective

Choose 1 course from pre-approved list:

Course Code	Title	Credits
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3015	GENERAL ECOLOGY	4
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 4019	IMMUNOLOGY	3
BIOL 4030	MOLECULAR BIOLOGY	3
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2020	ALGORITHM ANALYSIS	3
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1

CSCI 2055	DATABASE-SYSTEMS THEORY	3
CSCI 3040	OPERATING SYSTEMS	3
CSCI 4045	COMPUTER NETWORKS AND	3
CSCI 4055	ADVANCED DATABASE THEORY	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 2051	DISCRETE MATHEMATICS II	3
MATH 3045	PROBABILITY AND STATISTICS II	3
MATH 4003	HISTORY OF MATHEMATICS	3
MATH 4015	MODERN ABSTRACT ALGEBRA	3
MATH 4020	GEOMETRY	3
MATH 4035	REAL ANALYSIS	3
	Sub-Total Credits	**3**

Foundation Courses

Includes 18 credits of Humanities and Social Science courses

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Humanities and Social Science Courses	18
	Sub-Total Credits	**46**

Mathematics

Course Code	Title	Credits
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 3015	LINEAR ALGEBRA	3
MATH 3040	PROBABILITY AND STATISTICS I	3
	Sub-Total Credits	**13**

	Total Credits	**65**

Engineering Science-Nanotechnology: Chemistry/ Bioengineering Emphasis - Pitt

Degree Type
Joint Program

Dual Degree: Any Bachelor of Arts or Science Degree from La Roche with Bachelor of Science in Engineering from University of Pittsburgh.

To successfully complete the terms of the articulation agreement, the following is required:

- Must be enrolled at LRC for at least the past 2 years
- Must have a GPA of 3.0 or higher at time of application to University of Pittsburgh engineering program
- Must receive favorable recommendation from the combined degree program liason at LRU
- Must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
  - Foundations: 46 credits
  - Mathematics: 16 credits
  - Chemistry: 9-11 credits (choose 3 courses from the list below)
  - Engineering: 3 credits (taken at Pitt)
- Must have completed the major requirements prescribed by their LRU program prior to commencing study at the University of Pittsburgh or have a written plan in place to show how these requirements will be met at the University of Pittsburgh

Chemistry:

Choose 3 courses (with labs if applicable):

Course Code	Title	Credits
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3

CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
CHEM 3026	INORGANIC CHEMISTRY	3
CHEM 3036	BIOCHEMISTRY I (BIOL3036)	3
CHEM 4032	PHYSICAL CHEMISTRY I	3
CHEM 4033	PHYSICAL CHEMISTRY II	3
	Sub-Total Credits	**9-11**

Engineering

Taken at University of Pittsburgh

Course Code	Title	Credits
ENGR 0022	Materials Structure & Properties	4
	Sub-Total Credits	**4**

Foundation Courses

Includes 18 credits of Humanities and Social Science courses

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Humanities and Social Science Courses	18
	Sub-Total Credits	**46**

Mathematics

Course Code	Title	Credits
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 3015	LINEAR ALGEBRA	3
MATH 3040	PROBABILITY AND STATISTICS I	3
	Sub-Total Credits	**13**

	Total Credits	**72-74**

Industrial Engineering - Pitt

Degree Type
Joint Program

Dual Degree: Any Bachelor of Arts or Science Degree from La Roche with Bachelor of Science in Engineering from University of Pittsburgh.

To successfully complete the terms of the articulation agreement, the following is required:

- Must be enrolled at LRC for at least the past 2 years
- Must have a GPA of 3.0 or higher at time of application to University of Pittsburgh engineering program
- Must receive favorable recommendation from the combined degree program liaison at LRU
- Must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
  - Foundations: 46 credits
  - Mathematics: 13 credits
  - Engineering: 6 credits (IE1040 taken at Pitt)
  - Engineering Electives: 9 credits (choose 3 courses from the list below; ENGR and MEMS courses taken at Pitt)
  - Communications: 3 credits
  - Technical/ Professional Electives: 6 credits (choose 2 courses from the list below)
- Must have completed the major requirements prescribed by their LRU program prior to commencing study at the University of Pittsburgh or have a written plan in place to show how these requirements will be met at the University of Pittsburgh
- Prospective IE majors must complete their International Requirement with their Humanties/ Social Science electives while at LRU

Communications

Course Code	Title	Credits
SPCH 1001	MODERN PUBLIC SPEAKING	3
	Sub-Total Credits	**3**

Engineering Electives

Choose 3 courses:

Course Code	Title	Credits
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
ENGR 0022	Materials Structure & Properties	4
ENGR 0135	Statistics & Mechanics of Materials 1	4
MEMS 0051	Intro to Thermodynamics	3
	Sub-Total Credits	**9**

Engineering/Science Elective

Choose 1 course from pre-approved list:

Course Code	Title	Credits
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3015	GENERAL ECOLOGY	4
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 4019	IMMUNOLOGY	3
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2020	ALGORITHM ANALYSIS	3
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
CSCI 2055	DATABASE-SYSTEMS THEORY	3
CSCI 3040	OPERATING SYSTEMS	3
CSCI 4045	COMPUTER NETWORKS AND	3
CSCI 4055	ADVANCED DATABASE THEORY	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 2051	DISCRETE MATHEMATICS II	3
MATH 3045	PROBABILITY AND STATISTICS II	3
MATH 4003	HISTORY OF MATHEMATICS	3
MATH 4015	MODERN ABSTRACT ALGEBRA	3
MATH 4020	GEOMETRY	3
MATH 4035	REAL ANALYSIS	3
	Sub-Total Credits	**3**

Engineering

Course Code	Title	Credits
CSCI 2055	DATABASE-SYSTEMS THEORY	3
IE 1040	Engineering Economic Analysis	3
	Sub-Total Credits	**6**

Foundation Courses

Includes 18 credits of Humanities and Social Science courses

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Humanities and Social Science Courses	18
	Sub-Total Credits	**46**

Mathematics

Course Code	Title	Credits
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 3015	LINEAR ALGEBRA	3
MATH 3040	PROBABILITY AND STATISTICS I	3
MATH 3045	PROBABILITY AND STATISTICS II	3
	Sub-Total Credits	**16**

	Total Credits	**83**

Software Engineering - Gannon

Degree Type
Joint Program

The Software Engineering program is a dual degree program with Gannon University. Students will earn a degree in their chosen major at La Roche University along with a Bachelor of Science in Engineering from Gannon University.

To successfully complete the terms of the dual degree articulation agreement, the following is required:

- Must combine the requirements of this guide with a LRU major
- Must achieve an overall GPA of 3.0 or higher at time of articulation to Gannon University engineering program
- Must successfully complete all math, physics and computer science pre-requisite courses listed in this guide with a C grade or better and a
- GPA of 3.0 or better
- Must receive favorable recommendation from the LRU sciences faculty committee and Dean of Students to ensure that all academic and conduct standards are met

Liberal Arts Courses

Course Code	Title	Credits
PHIL 1020	LOGIC	3
PHIL 2026	ETHICS (SLRS)	3
RELS 1002	NEW TESTAMENT (SLRS)	3
RELS 1003	WORLD RELIGIONS (SLRS)	3
	Sub-Total Credits	**12**

Mathematics and Science Component

Course Code	Title	Credits
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 3040	PROBABILITY AND STATISTICS I	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**38**

Required in LRC Major

Course Code	Title	Credits
PHIL 1021	INTRO TO PHILOSOPHY	3
	Sub-Total Credits	**3**

	Total Credits	**53**

Biochemistry

Degree Type
Major

A major in Biochemistry is meant to prepare students for graduate studies in Chemistry or Biochemistry, for admission to a professional school such as medical school or pharmacy school, or employment in the biotechnology sector.

REQUIREMENTS: To successfully complete the Biochemistry major, the following coursework is required:

- 78 credits as listed under “Major Component/ Requirements” (59 Chemistry/ Biology Component credits, 2 in seminar; and 19 Science
- Component Credits)
- 37 CORE credits
- 5 General Elective Credits
- A minimum number of 120 credits are required for degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

Biology/Chemistry Component

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3

BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 3026	CELL BIOLOGY	3
BIOL 4030	MOLECULAR BIOLOGY	3
BIOL 4031	MOLECULAR BIOLOGY - LAB	1
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
CHEM 3011	ANALYTICAL CHEMISTRY I	3
CHEM 3011L	ANALYTICAL CHEMISTRY I - LAB	1
CHEM 3012	ANALYTICAL CHEMISTRY II: INSTR METH	3
CHEM 3012L	ANALYTICAL CHEMISTRY II - LAB	1
CHEM 3036	BIOCHEMISTRY I (BIOL3036)	3
CHEM 3037	BIOCHEMISTRY I - LAB (BIOL3037)	1
CHEM 3038	BIOCHEMISTRY II (BIOL3038)	3
CHEM 4032	PHYSICAL CHEMISTRY I	3
CHEM 4032L	PHYSICAL CHEMISTRY I - LAB	1
CHEM 4055	SEMINAR IN CHEMISTRY I	1
CHEM 4059	SEMINAR IN CHEMISTRY II	1
	CHEM XXXX: Chemistry Elective	4
	Sub-Total Credits	**56**

Science Component

Course Code	Title	Credits
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**19**

	Total Credits	**75**

Biology, BA

Degree Type
Major

The bachelor of arts program in biology is designed to be merged with studies in a non-science area. The resulting program will retain the elements of biology necessary for the successful application of this science in another discipline. Students will be advised to choose a minor; some possibilities include management, pre-law, professional writing and computer information systems. Other combinations may be arranged to fit the needs of students.

To complete the biology (B.A.) major, a minimum of 120 credits is required, the last 30 of which must be earned at La Roche University.

The following course work is required for completion of degree:

- 29 credits in Major Requirements
- 20 credits in biology electives level 2000 or above
- 37 credits to satisfy remaining Core Curriculum requirements not covered above.
- 34 credits of general electives selected with the approval of the academic advisor

Required Electives

Course Code	Title	Credits
BIOL 4051	INTERNSHIP I - BIOLOGY	1-6
	BIOL XXXX: BIOL 2000 Level or Higher	
	Sub-Total Credits	**22**

Required Courses

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1

CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1010	PHYSICS FOR HEALTH SCIENCE	3
PHYS 1010L	PHYSICS FOR HEALTH SCIENCE - LAB	1
	Sub-Total Credits	**27**

	Total Credits	**49**

Biology, BS

Degree Type
Major

The bachelor of science program in biology is planned to provide scientific training as part of a liberal education and to give the student a basic comprehension of the main areas of biology. The program is designed to prepare the student for graduate work, for admission to medical/dental/veterinary school, for a biologically oriented career, or for research in the biological sciences.

To complete the biology (B.S.) major, a minimum of 120 credits is required, the last 30 of which must be earned at La Roche University. The required course work consists of:

- 36 credits in biology (includes 8 credits of biology electives 200 level or above)
- 35 credits in other science and mathematics courses
- 34 credits to satisfy remaining Core Curriculum requirements not satisfied above.
- 15 credits of general electives selected with the approval of the academic advisor.

Note: Those students choosing this major as preparation for medical, dental or veterinary school are advised to take the courses listed below under that category as either biology or general electives.

Required Courses

Includes 8 credits of Biology Electives

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3014	GENETICS - LAB	1
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 3037	BIOCHEMISTRY I - LAB (CHEM3037)	1
BIOL 3038	BIOCHEMISTRY II (CHEM3038)	3
BIOL 4059	SEMINAR IN BIOLOGY	2
	BIOL XXXX: Biology Electives	8
	Sub-Total Credits	**36**

Other Science and Mathematics Required Courses:

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**35**

Recommended for Medical/Dental/Veterinary School Preparation

Suggested but not required:

Course Code	Title	Credits
BIOL 2021	COMPARATIVE VERTEBRATE	4
BIOL 2022	COMPARATIVE VERTEBRATE	4
BIOL 4019	IMMUNOLOGY	3
BIOL 4020	IMMUNOLOGY - LAB	1
	Sub-Total Credits	**12**

	Total Credits	**71**

Biology with Forensics

Degree Type
Major

This major prepares students for employment or graduate studies in biological sciences with forensic applications, including such professions as a crime lab scientist or a member of a criminal investigations team.

REQUIREMENTS: To successfully complete the Biology with Forensics major, the following coursework is required:

- 71 credits of Major Component
- 13 credits of Criminal Justice Component
- 37 CORE credits
- A minimum number of 121 credits are required for degree, the last 30 of which must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

Biology Component

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3014	GENETICS - LAB	1
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 3037	BIOCHEMISTRY I - LAB (CHEM3037)	1
BIOL 3038	BIOCHEMISTRY II (CHEM3038)	3
BIOL 3045	PATHOGENIC MICROBIOLOGY	2
BIOL 3050	POPULATION GENETICS AND	3
BIOL 4030	MOLECULAR BIOLOGY	3
BIOL 4031	MOLECULAR BIOLOGY - LAB	1
BIOL 4059	SEMINAR IN BIOLOGY	2
CHEM 3039	BIOCHEMISTRY II - LAB	1
	Sub-Total Credits	**38**

Chemistry, Mathematics and Physics

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**35**

Criminal Justice

Course Code	Title	Credits
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 3010	CRIMINAL LAW	3
CRIM 3041	CRIME SCENE TO COURTROOM	4
CRIM 3045	CRIMINAL INVESTIGATIONS	3
	Sub-Total Credits	**13**

	Total Credits	**86**

Chemistry

Degree Type
Major

This program is designed to provide the student with a strong foundation in chemistry, including a solid theoretical background as well as broad exposure to experimental techniques and current instrumentation. Upon successful completion of this program, a student will be prepared for entry level positions in chemistry-related industries and to pursue advanced degrees in a variety of scientific areas, such as medical/dental/veterinary school.

To complete the chemistry major, a minimum of 120 credits is required, the last 30 of which must be earned at La Roche University. The required course work consists of:

- 46 chemistry component credits (2 of which must be in seminar)
- 19 science component credits
- 34 CORE credits
- 21 general elective credits

NOTE: students choosing this major as preparation for medical/dental/veterinary school are advised to take the courses shown under that category below as chemistry or general electives.

Chemistry Component

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
CHEM 3011	ANALYTICAL CHEMISTRY I	3
CHEM 3011L	ANALYTICAL CHEMISTRY I - LAB	1
CHEM 3012	ANALYTICAL CHEMISTRY II: INSTR METH	3
CHEM 3012L	ANALYTICAL CHEMISTRY II - LAB	1
CHEM 3026	INORGANIC CHEMISTRY	3
CHEM 4032	PHYSICAL CHEMISTRY I	3
CHEM 4032L	PHYSICAL CHEMISTRY I - LAB	1
CHEM 4033	PHYSICAL CHEMISTRY II	3
CHEM 4033L	PHYSICAL CHEMISTRY II - LAB	1
CHEM 4055	SEMINAR IN CHEMISTRY I	1
CHEM 4059	SEMINAR IN CHEMISTRY II	1
	CHEM XXXX: Chemistry Elective	4
	CHEM, BIOL or MATH 2XXX Level Courses or Higher	6
	Sub-Total Credits	**47**

Science Component

Course Code	Title	Credits
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**19**

Suggested for Medical/Dental/Veterinary School Preparation Courses

Suggested but not required

Course Code	Title	Credits
BIOL 2021	COMPARATIVE VERTEBRATE	4
BIOL 2022	COMPARATIVE VERTEBRATE	4
BIOL 2025	MICROBIOLOGY	3
BIOL 3013	GENETICS	3
BIOL 3014	GENETICS - LAB	1
BIOL 4019	IMMUNOLOGY	3
BIOL 4020	IMMUNOLOGY - LAB	1
CHEM 3036	BIOCHEMISTRY I (BIOL3036)	3
CHEM 3037	BIOCHEMISTRY I - LAB (BIOL3037)	1
	Sub-Total Credits	**23**

	Total Credits	**66**

Chemistry - Forensic Science

Degree Type
Major

This major will prepare students to work in a forensic chemistry laboratory, or for graduate study in chemistry.

REQUIREMENTS: To successfully complete the Chemistry major, the following coursework is required:

- 86 credits as listed under "Major Component/ Requirements" (42 Chemistry Component credits; and 31 Science and Mathematics credits; 13 Criminal Justice credits)
- 37 CORE credits
- A minimum number of 123 credits are required for degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

Chemistry Component

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
CHEM 3011	ANALYTICAL CHEMISTRY I	3
CHEM 3011L	ANALYTICAL CHEMISTRY I - LAB	1
CHEM 3012	ANALYTICAL CHEMISTRY II: INSTR METH	3
CHEM 3012L	ANALYTICAL CHEMISTRY II - LAB	1
CHEM 3036	BIOCHEMISTRY I (BIOL3036)	3
CHEM 3037	BIOCHEMISTRY I - LAB (BIOL3037)	1
CHEM 4032	PHYSICAL CHEMISTRY I	3
CHEM 4032L	PHYSICAL CHEMISTRY I - LAB	1
CHEM 4033	PHYSICAL CHEMISTRY II	3
CHEM 4033L	PHYSICAL CHEMISTRY II - LAB	1
CHEM 4055	SEMINAR IN CHEMISTRY I	1
CHEM 4059	SEMINAR IN CHEMISTRY II	1
CHEM 4060	FORENSIC CHEMISTRY	3
CHEM 4060L	FORENSIC CHEMISTRY - LAB	1
	Sub-Total Credits	**42**

Criminal Justice Component

Course Code	Title	Credits
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 3010	CRIMINAL LAW	3
CRIM 3041	CRIME SCENE TO COURTROOM	4
CRIM 3045	CRIMINAL INVESTIGATIONS	3
	Sub-Total Credits	**13**

Science & Mathematics Component

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 4030	MOLECULAR BIOLOGY	3
BIOL 4031	MOLECULAR BIOLOGY - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**31**

	Total Credits	**86**

Computer Science

Degree Type
Major

A major in Computer Science is meant to prepare students for jobs and careers in the computer industry or for further study at the graduate level in computer science, telecommunications, or related fields, or to provide students with a background in a fundamental science.

To complete the computer science degree major, a minimum of 120 credits is required, the last 30 of which must be earned at La Roche University. The required course work consists of:

- 48 credits in computer science & mathematics core-components
- 15 credits in computer science electives
- 37 credits in core curriculum
- 20 credits in general electives

Computer Science Component

Course Code	Title	Credits
CSCI 1002	INTRO TO COMPUTER SCIENCE	3
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2020	ALGORITHM ANALYSIS	3
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
CSCI 2035	COMPUTER ORGANIZATION AND DESIGN	3
CSCI 2035L	COMPUTER ORGANIZATION & DESIGN LAB	1
CSCI 2055	DATABASE-SYSTEMS THEORY	3
CSCI 3040	OPERATING SYSTEMS	3
CSCI 3042	COMPUTER SECURITY	3
CSCI 4098	CS Senior Capstone Experience I	3
	Sub-Total Credits	**34**

Computer Science Electives

Select 5 courses (15 credits)

Course Code	Title	Credits
	CSCI 4XXX	3
CRIM 4030	COMPUTER FORENSICS INVESTIGATIONS	3
CSCI 4052	Computer Science Internship I	3
ISTC 3005	INTRO TO INTELLECTUAL PROPERTY	3
ISTC 3008	WEB PAGE USABILITY AND	3
ISTC 3015	HUMAN-COMPUTER INTERACTION	3
	Sub-Total Credits	**15**

Mathematics Component

Course Code	Title	Credits
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 1040	PROBABILITY AND STATISTICS	3
MATH 2050	DISCRETE MATHEMATICS I	3
	Sub-Total Credits	**14**

	Total Credits	**63**

Criminal Justice - Accelerated Program for Criminal Justice Professionals (APCJP)

Degree Type
Major

To successfully complete the Accelerated Criminal Justice major, Law Enforcement Officers must have 3 years of work experience to be awarded 48 advanced standing credit (15 credits based on ACT 120 certification (A) and 33 credits of work experience (W) as indicated below. Students may select from both on-line, classroom and blended courses. Students with an associate degree and/or academic credit from other institutions will be evaluated on an individual basis. A student's last thirty credits must be earned at La Roche University.

The following coursework is required for the degree:

- 33 Credits of Criminal Justice Major Requirements
- 12 Credits of Criminal Justice Major Electives

- 12 Credits of Skills Components
- 33 Credits of CORE Curriculum courses
- 30 Credits of General Electives

Academic Core Courses -- 18 Credits Required:
Accelerated Criminal Justice and Criminology students have been waived from 4 credits for La Roche Experience (4) and granted credit based on work experience for 15 credits: Human Expression (3) (W); Social Sciences (3) (W); Global Perspectives (3) (W); ISTC1010 Digital Literacy (3) (W), and SPCH1010 Oral Communication (3) (W). The following core courses are required:

- ENGL1011 Academic Reading & Writing
- ENGL1012 Academic Writing & Research
- MATH1010 College Algebra
- Breadth of Knowledge: Natural and Physical World
- Depth of Knowledge: Interdisciplinary Inquiry
- Core Elective: Any Breadth of Knowledge or Depth of Knowledge course

General Electives - 30 Credits
Accelerated Criminal Justice and Criminology students have been granted 9 credits of general electives (W) based upon work experience and prior academic/training courses.

The elective requirement may be fulfilled through a minor or certificate program. Recommended programs are: Criminalistics, Computer Science, Psychology, Sociology, Accounting, Pre-Law, and Management.

Criminal Justice elective courses in excess of the required credit (6) may be taken and applied to the general elective component.

Criminal Justice Major Courses: 24 credits are granted for

- CRIM1001 Introduction to the Criminal Justice System (A)
- CRIM1003 Understanding the U.S. Constitution (W)
- CRIM2011 Intelligence Analysis (A)
- CRIM2016 Police and Society (W)
- CRIM2018 Professional Responsibility (A)
- CRIM3045 Criminal Investigations (A)
- CRIM3054 Law Enforcement Communications (A)
- CRIM4051 Internship (W)

A = Credit for ACT 120 Training
W = Credit for Work Experience

Required Courses

Course Code	Title	Credits
CRIM 3005	CONSTITUTIONAL LAW	3
CRIM 3010	CRIMINAL LAW	3
CRIM 3043	COMPUTER CRIME	3
CRIM 4055	SENIOR CRIMINAL JUSTICE CAPSTONE	3
PSYC 3011	RESEARCH METHODS IN PSYCHOLOGY	3
	Sub-Total Credits	**15**

Required Electives

Select 6 credits:

Course Code	Title	Credits
CRIM 2010	INTRODUCTION TO CORRECTIONS	3
CRIM 3000	CORRECTIONAL COUNSELING	3
CRIM 3012	ENVIRONMENTAL CRIME: LAW, POLICY	3
CRIM 3034	ENTERPRISE AND TRANSNATIONAL	3
CRIM 3036	TERRORISM	3
CRIM 3040	CRIME SCENE INVESTIGATION & FORENSI	3
CRIM 3041	CRIME SCENE TO COURTROOM	4
CRIM 3046	SECURITY MANAGEMENT AND LOSS	3
CRIM 3052	ADMINISTRATION OF CRIMINAL	3
CRIM 4057	INDEPENDENT STUDY - CRIMINAL	1-3
CRIM 3063	CRIMINAL BEHAVIOR: LAW & PSYCHOLOGY	3
CRIM 2030	JUVENILE DELINQUENCY	3
CRIM 3042	APPLIED CRIMINOLOGY	3
	Sub-Total Credits	**6**

Criminal Justice Skills

Select CRIM2012 or MATH1040:

Course Code	Title	Credits
CRIM 2012	ANALYSIS OF CRIMINAL JUSTICE	3
MATH 1040	PROBABILITY AND STATISTICS	3
ISTC 2008	INTRO TO CYBERSPACE	3
ISTC 1025	COMPUTER HARDWARE	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3

	Sub-Total Credits	**12**

	Total Credits	**33**

Criminal Justice and Criminology

Degree Type
Major

The major is designed to prepare students for career opportunities in the criminal justice field, to include law enforcement, courts and corrections, and private security, or for further study at the graduate level in criminal justice, criminology or law. To successfully complete the criminal justice major, the following coursework is required:

- 33 Criminal Justice core component credits
- 12 Criminal Justice elective credits
- 12 skills components credits
- 37 academic core credits
- 26 general elective credits: May be fulfilled through a second major, minor or certificate program. Recommended programs are: Criminalistics, Accounting, Computer Forensics and Security, Forensic Psychology, or Pre-Law

A minimum of 120 credits is required for degree, the last 30 of which must be taken at La Roche University.

Required Courses

Course Code	Title	Credits
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 1003	UNDERSTANDING THE U.S. CONSTITUTION	3
CRIM 2011	INTELLIGENCE ANALYS & PRESENTA TECH	3
CRIM 2016	POLICE AND SOCIETY	3
CRIM 2018	PROFESSIONAL RESPONSIBILITY:	3
CRIM 3005	CONSTITUTIONAL LAW	3
CRIM 3010	CRIMINAL LAW	3
CRIM 3043	COMPUTER CRIME	3
CRIM 3045	CRIMINAL INVESTIGATIONS	3
CRIM 4055	SENIOR CRIMINAL JUSTICE CAPSTONE	3
PSYC 3011	RESEARCH METHODS IN PSYCHOLOGY	3
	Sub-Total Credits	**33**

Required Electives

Select 4 of the following:

Course Code	Title	Credits
CRIM 2010	INTRODUCTION TO CORRECTIONS	3
CRIM 2030	JUVENILE DELINQUENCY	3
CRIM 3000	CORRECTIONAL COUNSELING	3
CRIM 3012	ENVIRONMENTAL CRIME: LAW, POLICY	3
CRIM 3020	Special Topics in Criminal Justice	3
CRIM 3030	THEORIES OF CRIMINAL DEVIANCE	3
CRIM 3034	ENTERPRISE AND TRANSNATIONAL	3
CRIM 3036	TERRORISM	3
CRIM 3040	CRIME SCENE INVESTIGATION & FORENSI	3
CRIM 3042	APPLIED CRIMINOLOGY	3
CRIM 3041	CRIME SCENE TO COURTROOM	4
CRIM 3046	SECURITY MANAGEMENT AND LOSS	3
CRIM 3052	ADMINISTRATION OF CRIMINAL	3
CRIM 3054	LAW ENFORCEMENT COMMUNICATIONS	3
CRIM 3063	CRIMINAL BEHAVIOR: LAW & PSYCHOLOGY	3
CRIM 3065	NETWORK ANALYSIS AND CRIME MAPPING	3
CRIM 4012	EMERGENCY PREPAREDNESS AND	3
CRIM 4051	INTERNSHIP I - CRIMINAL JUSTICE	1-6
CRIM 4057	INDEPENDENT STUDY - CRIMINAL	1-3
FILM 2035	DRONES FOR PHOTO AND FILM	3
	Sub-Total Credits	**12**

Skills Component

Students may select CRIM2012 Analysis of Criminal Justice Data OR MATH1040 Probability & Statistics

Course Code	Title	Credits
CRIM 2012	ANALYSIS OF CRIMINAL JUSTICE	3
MATH 1040	PROBABILITY AND STATISTICS	3
ISTC 2008	INTRO TO CYBERSPACE	3
ISTC 1025	COMPUTER HARDWARE	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
	Sub-Total Credits	**12**

	Total Credits	**57**

Cybersecurity and Forensics

Degree Type
Major

PURPOSE: A major in Cyber Security and Forensics is designed to prepare students for career opportunities in both the public and private sectors in national security, law, law enforcement and private sector computer security; or for further study at the graduate level in information security, computer security or legal studies.

REQUIREMENTS: To successfully complete the Cybersecurity and Forensics major, the following coursework is required:

- 40 credits as listed under "Major Component/ Requirements"
- 12 credits of Major Electives
- 15 credits Skills Component
- 37 CORE credits
- 16 General Elective Credits
- A minimum number of 120 credits are required for degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

Cybersecurity Major Component

Course Code	Title	Credits
	CSCI 3040 or ISTC 3030	3
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 2011	INTELLIGENCE ANALYS & PRESENTA TECH	3
CRIM 3005	CONSTITUTIONAL LAW	3
CRIM 3043	COMPUTER CRIME	3
CRIM 4030	COMPUTER FORENSICS INVESTIGATIONS	3
CRIM 4055	SENIOR CRIMINAL JUSTICE CAPSTONE	3
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
CSCI 3042	COMPUTER SECURITY	3
ISTC 2030	NETWORKING	3
ISTC 3005	INTRO TO INTELLECTUAL PROPERTY	3
ISTC 3031	ADVANCED NETWORKING AND TELECOM	3
PSYC 3011	RESEARCH METHODS IN PSYCHOLOGY	3
	Sub-Total Credits	**40**

Major Electives

Choose 12 credits:

Course Code	Title	Credits
CRIM 3036	TERRORISM	3
CRIM 3040	CRIME SCENE INVESTIGATION & FORENSI	3
CRIM 3045	CRIMINAL INVESTIGATIONS	3
CRIM 3065	NETWORK ANALYSIS AND CRIME MAPPING	3
CRIM 4051	INTERNSHIP I - CRIMINAL JUSTICE	1-6
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
FILM 2035	DRONES FOR PHOTO AND FILM	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
	Sub-Total Credits	**12**

Cybersecurity Skills Components

Course Code	Title	Credits
ENGL 2030	TECHNICAL WRITING	3

ISTC 1021	PROBLEM SOLVING	3
ISTC 2008	INTRO TO CYBERSPACE	3
ISTC 3025	CASE STUDIES USING ADVANCED EXCEL	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**15**

	Total Credits	**67**

Exercise and Sports Science

Degree Type
Major

Purpose:

A Bachelor of Science in Exercise and Sports Science will provide students an interdisciplinary approach and comprehensive knowledge to the scientific basis of human movement, physical activity, exercise and sport performance.

Exercise scientists and exercise physiologists are professionals who specialize in assessing, evaluating, and prescribing exercise for health-related fitness outcomes of individuals in private, health, and corporate settings. Other options include the growing field of clinical exercise physiology where the Clinical Exercise Physiologist (CEP) assesses, evaluates, and prescribes individual exercise for chronic disease populations in various medical settings. Sport scientists are professionals who assess, evaluate, and prescribe exercise and training protocols for the purpose of enhancing the sport performance potential of individuals. Sport scientists work with individual athletes, coaches, and teams in all amateur and professional sports. They also provide recommendations to promote recovery after training and offer motivational support. The interdisciplinary approach of combining natural sciences with exercise science coursework may prepare students who are interested in pursuing graduate studies in areas such physical therapy, occupational therapy, athletic training, exercise physiology, or chiropractic. The exercise and sport science major offers general elective credits, which a student can use to add a minor, or to further one's background in the sciences or liberal arts. Recommended minors, based on student interest, may include Psychology, Chemistry or Biology, Marketing and Management.

Requirements:

To successfully complete the Exercise and Sports Science major, the following coursework is required:

- 79 credits as listed under Major Component
  - 57 credits in Exercise Science Foundations
  - 22 credits in Exercise Science and & Sports-Science Component
- 37 Core Credits
- 4 General Elective Credits
- A minimum of 120 credits are required for degree, the last 30 of which, and 50% of the major must be earned at La Roche University (developmental course work does not count toward the minimum number of required courses for graduation)

Exercise Science Foundations

Course Code	Title	Credits
HSCU 1005	INTRO TO HEALTH PROFESSIONS	1
HSCU 1020	MEDICAL TERMINOLOGY	3
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 1023	HUMAN ANATOMY AND PHYSIOLOGY I	3
BIOL 1023L	HUMAN ANAT & PHYSIO I LAB	1
BIOL 1024	HUMAN ANATOMY AND PHYSIOLOGY II	3
BIOL 1024L	HUMAN ANAT & PHYSIO II LAB	1
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
HSCU 1025	NORMAL AND CLINICAL NUTRITION	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
HSCU 3050	HEALTH ASSESSMENT IN HEALTH	3
EXSP 4051	Exercise & Sports Science - Internship I	1-6

EXSP 4005	CLINICAL EXERCISE PHYSIOLOGY	3
	Sub-Total Credits	**57**

Exercise Science & Sports-Science Component

Course Code	Title	Credits
EXSP 3005	MOTOR LEARNING, CONTROL AND	3
EXSP 3007	BIOMECHANICS (HSCU3007)	3
EXSP 3025	EXERCISE PHYSIOLOGY AND SPORTS	3
EXSP 3025L	EXERCISE PHYSIOLOGY - LABORATORY	1
EXSP 3030	FITNESS TESTING & EXERCISE PRESCRIP	3
EXSP 4003	STRENGTH AND CONDITIONING	3
EXSP 4005	CLINICAL EXERCISE PHYSIOLOGY	3
	Sub-Total Credits	**22**

	Total Credits	**79**

Health Science

Degree Type
Major

A Bachelor of Science in Health Science is meant to provide a bridge between study in the natural sciences and the application of science principles to diverse health-related professions.

The B.S. in Health Science combines study in the natural and health sciences with liberal arts study through the Core Curriculum. The combination of natural and health sciences courses is designed to prepare students who may be interested in graduate studies in physician assistant, nursing, nutrition, medicine or other professional clinical degrees. The health science major offers general elective credits, which a student can use to add a minor, or to further one's background in the sciences or liberal arts. Recommended minors, based on student interest, may include Exercise Science, Psychology, Chemistry or Biology

To successfully complete the Health Science major the following coursework is required:

- 53 credits of Health Science Foundation
- 24 credits of Health Science Component Electives
- 37 credits of CORE Curriculum courses
- 6 credits of General Electives

A minimum of 120 credits are required for degree, the last 30 of which must be earned at La Roche University.

Health Science Foundation

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 1023	HUMAN ANATOMY AND PHYSIOLOGY I	3
BIOL 1023L	HUMAN ANAT & PHYSIO I LAB	1
BIOL 1024	HUMAN ANATOMY AND PHYSIOLOGY II	3
BIOL 1024L	HUMAN ANAT & PHYSIO II LAB	1
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
HSCU 1005	INTRO TO HEALTH PROFESSIONS	1
HSCU 1020	MEDICAL TERMINOLOGY	3
NSCI 1025	Normal and Clinical Nutrition	3
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1010	PHYSICS FOR HEALTH SCIENCE	3
PHYS 1010L	PHYSICS FOR HEALTH SCIENCE - LAB	1
PSYC 1021	INTRO TO PSYCHOLOGY	3
HSCU 3050	HEALTH ASSESSMENT IN HEALTH	3
HSCU 4055	HEALTH SCIENCE CAPSTONE	2
HSCU 4051	Health Science - Internship I	1-6
	Sub-Total Credits	**53**

Health Science Component

Select 24 Credits. At least 7 credits must come from CHEM &/or BIOL.

Course Code	Title	Credits
HSCU 3015	BIOLOGY OF AGING	3
HSCU 3021	HUMAN PATHOPHYSIOLOGY I	3
HSCU 3025	EXERCISE PHYSIOLOGY AND SPORTS	3
HSCU 3031	PUBLIC HEALTH	3
HSCU 3033	TOXICOLOGY	3
HSCU 3041	HUMAN PATHOPHYSIOLOGY II	3
HSCU 3045	PHARMACOLOGY FOR HEALTH SCIENCE	3
HSCU 3050	HEALTH ASSESSMENT IN HEALTH	3
HSCU 3055	EPIDEMIOLOGY FOR HEALTH SCIENCES	3
HSCU 3060	ENDOCRINOLOGY FOR HEALTH	3
	HSCU 3XXX: Any 3000-Level or Higher HSCU Course	3
PHIL 3027	BIOMEDICAL ETHICS	3
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
CHEM 3036	BIOCHEMISTRY I (BIOL3036)	3
CHEM 3037	BIOCHEMISTRY I - LAB (BIOL3037)	1
BIOL 3013	GENETICS	3
BIOL 3014	GENETICS - LAB	1
	Sub-Total Credits	**24**
	Total Credits	**77**

Health Science - Degree Completion

Degree Type
Major

A major in Health Science in meant to provide a bridge between study in the natural sciences and the application of science principles to diverse health-related professions. Full-time faculty members in the Department of Health Science are also professors in the Departments of Biology, Chemistry and Physics.

As part of its continuing growth in Health Science education, La Roche University has established the BA in Health Science, beginning in the fall semester of 2008. The BA in Health Science is designed to meet the needs of those students already credentialed health professionals who are seeking to complete at Bachelor's degree. The major in Health Science combines study in natural and health sciences with liberal arts study through the Core Curriculum. The Health Science major also offers general elective credits, which a student can use to add a second major, or a minor, to further one's background in the sciences or liberal arts.

This program is for individuals who maintain active certification in one of the following health professions:

- Radiography [R.T.(R)from the American Registry of Radiologic Technologists]
- Nuclear Medicine Technology [R.T.(N) from the A.R.R.T.]
- Radiation Therapy [R.T.(T) from the A.R.R.T.]
- Sonography {R.D.M.S. from the American Registry in Diagnostic Medical Sonography]
- Respiratory Therapy [C.R.T. from the National Board for Respiratory Care]
- Medical Laboratory Technician [M.L.T. from the American Society for Clinical Pathology]
- Surgical Technologist [from NBSTSA]
- Dietetic Technician [from ACEND]
- Occupational Therapy Assistant [from OCATE], Physical Therapy Assistant [from NPTE], Dental Hygiene [from ADA] and
- Histotechnician [from ASCP]
- Registered Cardiac Sonographer Cardiovascular Credentialing International [CCI]
- Medical Assistant (from AAMA)

To successfully complete the Health Science Degree Completion major, the following coursework is required:

- 18 credits of Health Science Requirements
- 30 credits of CORE Curriculum courses
- 15 credits for active Certification in one of the Health Science Areas
- 45 credits for science courses leading to certification-Associates Degree or Hospital Program
- General Elective credits are dependent on transfer credits

A minimum of 120 credits are required for degree, the last 30 of which must be earned at La Roche University.

Required Courses

Select 18 credits:

Course Code	Title	Credits

HSCU 3015	BIOLOGY OF AGING	3
HSCU 3021	HUMAN PATHOPHYSIOLOGY I	3
HSCU 3025	EXERCISE PHYSIOLOGY AND SPORTS	3
HSCU 3031	PUBLIC HEALTH	3
HSCU 3033	TOXICOLOGY	3
HSCU 3041	HUMAN PATHOPHYSIOLOGY II	3
HSCU 3045	PHARMACOLOGY FOR HEALTH SCIENCE	3
HSCU 3050	HEALTH ASSESSMENT IN HEALTH	3
HSCU 3055	EPIDEMIOLOGY FOR HEALTH SCIENCES	3
HSCU 3060	ENDOCRINOLOGY FOR HEALTH	3
	HSCU 3XXX: Any 3000-Level or Higher HSCU Course	3
PHIL 3027	BIOMEDICAL ETHICS	3
PSYC 2015	HEALTH PSYCHOLOGY	3
PSYC 3035	BIOLOGICAL PSYCHOLOGY	3
	Total Credits	**18**

Mathematics, BA

Degree Type
Major

The major in Mathematics introduces students to a field whose origins date from the dawn of history and whose ever-increasing pervasiveness and importance in science, engineering, business and finance renders it a veritable master-key to our understanding of the world about us. The degree in mathematics opens many doors to students upon graduation, to a job in business, industry or government, to certification as a teacher, to graduate study in mathematics, statistics and computer science, among many other fields, or to a professional school such as in business or law. Moreover, the major in mathematics serves as a gateway not only to a job and career, but also to a world where logic and imagination combine to create timeless beauty and truth.

To complete the mathematics major, a minimum of 120 credits is required, the last 30 of which must be earned at La Roche University. The required course work consists of:

- 46 credits of Mathematics courses
- 8 credits of Physics courses
- 37 credits CORE Curriculum courses
- 29 credits of General Electives

Mathematics Core

Course Code	Title	Credits
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 2051	DISCRETE MATHEMATICS II	3
MATH 3015	LINEAR ALGEBRA	3
MATH 3040	PROBABILITY AND STATISTICS I	3
MATH 3045	PROBABILITY AND STATISTICS II	3
MATH 4003	HISTORY OF MATHEMATICS	3
MATH 4015	MODERN ABSTRACT ALGEBRA	3
MATH 4020	GEOMETRY	3
MATH 4035	REAL ANALYSIS	3
MATH 4090	JR/SR SEMINAR IN MATHEMATICS	1
	Sub-Total Credits	**43**

Physics Component

Course Code	Title	Credits
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**8**

	Total Credits	**51**

Mathematics, BS

Degree Type
Major

The major in Mathematics introduces students to a field whose origins date from the dawn of history and whose ever-increasing pervasiveness and importance in science, engineering, business and finance renders it a veritable master-key in understanding the world about us. The degree in mathematics opens many doors to students upon graduation, to a job in business, industry or government, to certification as a teacher, to graduate study in mathematics, statistics and computer science, among many other fields, or to a professional school such as in business or law. Moreover, the major in mathematics serves as a gateway not only to a job and career, but also to a world where logic and imagination combine to create timeless beauty and truth.

To complete the mathematics major, a minimum of 120 credits is required, the last 30 of which must be earned at La Roche University. The required course work consists of the following:

- 49 credits in the mathematics core including math, computer science, and physics credits
- 37 credits in CORE Curriculum courses
- 34 credits of General Electives

Computer Science

Course Code	Title	Credits
CSCI 1002	INTRO TO COMPUTER SCIENCE	3
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
	Sub-Total Credits	**7**

Mathematics Core

Course Code	Title	Credits
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 3015	LINEAR ALGEBRA	3
MATH 3040	PROBABILITY AND STATISTICS I	3
MATH 4015	MODERN ABSTRACT ALGEBRA	3
MATH 4035	REAL ANALYSIS	3
MATH 4090	JR/SR SEMINAR IN MATHEMATICS	1
	Sub-Total Credits	**31**

Required Course

Course Code	Title	Credits
MATH 4055	CAPSTONE PROJECT	3
	Sub-Total Credits	**3**

Physics Courses

Course Code	Title	Credits
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**8**

	Total Credits	**49**

Medical Imaging

Degree Type
Major

This major is meant to prepare students for a career in Medical Imaging, including, but not limited to, radiography, MRI, nuclear medicine and ultrasound. A student must have already completed an approved hospital program in one of the areas listed below, and have an active certification.

La Roche students in the AS in Radiologic Technology to BA in Medical Imaging may continue seamlessly into this program once AS is completed. Students must still pass the RT certification before graduation from the BA program.

To successfully complete the Medical Imaging major, the following coursework is required:

- Current RT or RDMS Certification (15 credits awarded)
- Medical Imaging Science Credits
  - 45 credit block of certification sciences if transfer
  - La Roche students in the AS to BA students maintain their completed LRU credits
- 21 credits of Liberal Arts courses
- 9 Health Services Credits

- 9 credits of CORE curriculum courses (already completed if LRU AS to BA)
- 21 credits of General Electives

A minimum of 120 credits are required for the degree, the last 30 of which must be earned at La Roche University.

Health Services Component

Course Code	Title	Credits
HMGT 3010	HEALTH FINANCE FOR THE HEALTH	3
HMGT 3030	MANAGEMENT AND LEADERSHIP FOR	3
HMGT 3035	HEALTH POLICY IN THE HEALTH	3
	Sub-Total Credits	**9**

Liberal Arts Component 1

Course Code	Title	Credits
ADMG 1018	FUNDAMENTALS OF MANAGEMENT	3
PHIL 3027	BIOMEDICAL ETHICS	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
	Sub-Total Credits	**12**

Liberal Arts Component 2

Select 1 of the following courses:

Course Code	Title	Credits
MATH 1004	STATISTICS IN HEALTH CARE	3
MATH 1040	PROBABILITY AND STATISTICS	3
	Sub-Total Credits	**3**

Liberal Arts Component 3

Select 1 of the following courses:

Course Code	Title	Credits
ENGL 2029	BUSINESS COMMUNICATIONS	3
ENGL 2030	TECHNICAL WRITING	3
	Sub-Total Credits	**3**

Liberal Arts Component 4

Select 1 of the following courses:

Course Code	Title	Credits
ADMG 3024	PROFESSIONAL PRESENTATION	3
SPCH 1001	MODERN PUBLIC SPEAKING	3
	Sub-Total Credits	**3**

	Total Credits	**30**

National Security Studies

Degree Type
Major

The "National Security Studies" major is, of necessity, interdisciplinary in nature. It also requires a strong internship or co-op program to enhance the student's employment opportunities. The major has rigorous requirements and students are advised that their future employment will normally require the successful completion of a comprehensive background investigation.

A major in National Security Studies is meant to prepare students for career opportunities with federal and state agencies, that have as part of their mission the defense of the homeland or the implementation of U.S. Foreign Policy and strategic objectives; multinational corporations that require personnel with research, analytical and communication skills; and for further study at the graduate level

Students must maintain a minimum GPA of 3.2 and need to earn a minimum of a "C" in all courses taken. The program requires that the graduate possess the following skills:

- A reading competency in one of the required foreign languages
- The ability to produce written reports based on research, correlation, and analysis
- Oral presentation skills, to include computer facilitated presentations
- Knowledge of statistical techniques
- Knowledge of computer applications and data management systems.

At the beginning of a student's junior and senior year, a committee composed of the department chairs, or their representative, of the Justice, Law, and Security, International Studies, History and Modern Language Departments will review

the progress of all students enrolled in the program. Students whose GPA falls below 3.2, whose foreign language reading ability is inadequate, or who exhibit behavioral or academic deficiencies that would, in the judgment of the reviewers, make future employment in the national security field unlikely, will be placed on probation or disenrolled from the major.

A minimum of 120 credits is required for degree, the last 30 of which must be earned at La Roche University.

To complete the "National Security Studies" major, the following course work is required:

- 30 National Security Studies major required credits
- 12 National Security Studies major elective credits
- 6 Foreign Area Studies credits
- 11 Foreign Language credits
- 9 Skills Component credits
- 37 Core Curriculum credits
- 15 General Elective credits

Foreign Area Studies

Choose 6 credits:

Course Code	Title	Credits
HIST 2035	HISTORY OF LATIN AMERICA	3
HIST 3005	CONTEMPORARY CENTRAL AMERICA	3
INST 3028	EAST ASIAN HISTORY (HIST3028)	3
POLI 3019	HISTORY AND POLITICS OF AFRICA	3
POLI 3045	HISTORY AND POLITICS OF MID EAST	3
	Sub-Total Credits	**6**

Required Courses

Course Code	Title	Credits
ADMG 1005	MACROECONOMICS	3
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 3005	CONSTITUTIONAL LAW	3
CRIM 3036	TERRORISM	3
CRIM 3065	NETWORK ANALYSIS AND CRIME MAPPING	3
INST 2001	GLOBAL POLITICS (POLI2001)	3
MATH 1040	PROBABILITY AND STATISTICS	3
NSCS 2011	INTELLIGENCE ANALYSIS AND	3
NSCS 3011	RESEARCH METHODS FOR ANALYSTS	3
NSCS 4005	SENIOR SEMINAR - NSS	3
	Sub-Total Credits	**30**

Required Electives

Choose 12 credits:

Course Code	Title	Credits
CRIM 3034	ENTERPRISE AND TRANSNATIONAL	3
CRIM 3043	COMPUTER CRIME	3
INST 3003	INTERNATIONAL POLITICAL ECONOMY	3
MATH 1070	FINITE MATHEMATICS FOR BUSINESS	3
NSCS 3010	BUSINESS INTELLIGENCE	3
NSCS 3015	Financial Investigation and Analysis	3
NSCS 4012	EMERGENCY PREPAREDNESS AND	3
NSCS 4057	Independent Study - National Security Studies	3
POLI 2045	ISLAM IN THE WORLD	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
PSYC 3030	INTERPERSONAL AND GROUP	3
	Sub-Total Credits	**12**

Skills Component

Choose 9 credits:

Course Code	Title	Credits
CRIM 4030	COMPUTER FORENSICS INVESTIGATIONS	3
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
CSCI 3042	COMPUTER SECURITY	3
ISTC 1025	COMPUTER HARDWARE	3
ISTC 2021	MGMT OF INFORMATION SYSTEMS	3
ISTC 2030	NETWORKING	3
ISTC 2045	DATA BASE MANAGEMENT SYSTEMS	3
	Sub-Total Credits	**9**

	Total Credits	**57**

Psychology

Degree Type
Major

The psychology program integrates an applied emphasis with a foundation grounded in the sciences. The program presents a balanced treatment of the major approaches to contemporary psychology and fosters in the student an appreciation of the problems and promise of the discipline of psychology.

To complete the psychology major successfully, a minimum of 120 credits is required for graduation, the last 30 of which must be earned at La Roche University.

The following course work is required:

- 12 credits of required psychology courses;
- An additional 21 credits of psychology electives selected from the courses listed below;
- 37 credits of core requirements;
- 44 credits of general electives selected by the student with the approval of the academic advisor. 6 general elective credits (2 courses) must include MATH1040 or CRIM2012, and ENGL2030 as prerequisites for PSYC3011, Research Methods in Psychology.

Required Courses

Course Code	Title	Credits
PSYC 1021	INTRO TO PSYCHOLOGY	3
PSYC 2010	CAREER AND PROFESSIONAL	3
PSYC 3011	RESEARCH METHODS IN PSYCHOLOGY	3
PSYC 4055	SENIOR SEMINAR IN PSYCHOLOGY	3
	Sub-Total Credits	**12**

Required Electives

Choose 21 credits:

Course Code	Title	Credits
PSYC 2015	HEALTH PSYCHOLOGY	3
PSYC 2018	HUMAN SEXUALITY	3
PSYC 2022	CHILD DEVELOPMENT	3
PSYC 2036	PSYCHOLOGY AND HUMOR	3
PSYC 2040	ADOLESCENT DEVELOPMENT	3
PSYC 2061	EDUCATIONAL PSYCHOLOGY	3
PSYC 2065	FORENSIC PSYCHOLOGY	3
PSYC 3023	PSYCHOLOGICAL DISORDERS	3
PSYC 3025	INDUSTRIAL AND ORGANIZATIONAL	3
PSYC 3028	THEORIES OF PERSONALITY	3
PSYC 3029	SOCIAL PSYCHOLOGY	3
PSYC 3030	INTERPERSONAL AND GROUP	3
PSYC 3032	PSYCH OF ADULTHOOD AND AGING	3
PSYC 3035	BIOLOGICAL PSYCHOLOGY	3
PSYC 3040	COUNSELING THEORIES AND	3
PSYC 3041	COUNSELING THEORIES AND	3
PSYC 3045	EVOLUTIONARY PSYCHOLOGY	3
PSYC 3063	CRIMINAL BEHAVIOR: LAW AND	3
PSYC 3150	COGNITIVE PSYCHOLOGY	3
PSYC 3152	APPLIED BEHAVIOR ANALYSIS	3
PSYC 4050	SPECIAL TOPICS IN ADVANCED	3
PSYC 4051	INTERNSHIP I @	1-6
PSYC 4052	INTERNSHIP II @	1-6
PSYC 4056	DIRECTED RESEARCH - PSYCHOLOGY	1-4
PSYC 4057	INDEPENDENT STUDY - PSYCHOLOGY	1-6
	Sub-Total Credits	**21**

	Total Credits	**33**

Biology

Degree Type
Minor

To complete a minor in biology, a minimum of 22 credits must be taken in biology. In addition to the 8 credits of required course work, students must take a minimum of 14 additional biology credits in 2000 level courses or above. The student can expect to take three academic years to complete the minor, because many upper level biology courses are offered on a two-year cycle.

Required Courses

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3

BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
	Total Credits	**8**

Chemistry

Degree Type
Minor

To complete a minor in chemistry, a minimum of 23 chemistry credits must be taken. In addition to required courses, students must choose at least 3 additional credits from any chemistry course 2000 level or above. The student can expect to take three academic years to complete the minor because many upper level chemistry courses are offered on a two-year cycle.

Required Courses

Course Code	Title	Credits
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
	CHEM3011/L or CHEM4032/L or CHEM4033/L	4
	CHEM XXXX: Chemistry Elective	4
	Total Credits	**21**

Computer Science

Degree Type
Minor

A minor in Computer Science is an opportunity for students to fulfill career or personal interests, and/or to facilitate in depth study in a field of secondary interest.

Minors must be completed within the student's graduation timeline. A minimum GPA of 2.0 must be achieved in the following courses to qualify for this minor.

To complete a minor in computer science, a minimum of 23 credits must be taken in computer science.

17 credits in Required Courses and a minimum of 6 additional 2000+ level computer-science credits.

Required Courses

Course Code	Title	Credits
	CSCI 2017 or MATH 2050	3
CSCI 1002	INTRO TO COMPUTER SCIENCE	3
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
CSCI 2010	PROGRAMMING II	3
CSCI 2010L	PROGRAMMING II - LAB	1
CSCI 2020	ALGORITHM ANALYSIS	3
	Sub-Total Credits	**17**

Required Electives

Choose 2:

Course Code	Title	Credits
CRIM 4030	COMPUTER FORENSICS INVESTIGATIONS	3
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2035	COMPUTER ORGANIZATION AND DESIGN	3
CSCI 2055	DATABASE-SYSTEMS THEORY	3
CSCI 3040	OPERATING SYSTEMS	3
CSCI 3042	COMPUTER SECURITY	3
CSCI 4040	PRINCIPLES OF PROGRAMMING	3
CSCI 4042	ADVANCED COMPUTER SECURITY	3
CSCI 4045	COMPUTER NETWORKS AND	3
	CSCI 4XXX	3
MATH 2051	DISCRETE MATHEMATICS II	3
	Sub-Total Credits	**6**
	Total Credits	**23**

Computer Security and Forensics

Degree Type
Minor

As new technology continues to play an ever-increasing role in our society, so do the opportunities for its exploitation. Computer hackers now routinely threaten private citizens, businesses and governments. Effectively combating these threats will require a new type of professional who has expertise in both disciplines, criminal justice and technology. In law enforcement, there is a need for professionals that can join the fight against cyber-crime, cyber terrorism, identity theft, and the exploitation of minors. In business, there is a need for professionals with the necessary technology skills for recognizing and mitigating the threats and vulnerabilities of computers and networks. The Computer Security and Forensics minor brings together the disciplines of technology and criminal justice to uniquely prepare students for careers at the intersection of these two fields.

To successfully complete the Computer Security and Forensics minor, a minimum of 24 credits are required.

Computer Technology/ Programming Component

Select 9-12 credits:

Course Code	Title	Credits
CSCI 1002	INTRO TO COMPUTER SCIENCE	3
	CSCI 1010/L or ISTC 3034	4
	ISTC 2030 or CSCI 4045	3
ISTC 1025	COMPUTER HARDWARE	3
	Sub-Total Credits	**9-12**

Criminology Component

Course Code	Title	Credits
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 3010	CRIMINAL LAW	3
	Sub-Total Credits	**6**

Security Component

Course Code	Title	Credits
CRIM 3043	COMPUTER CRIME	3
CRIM 4030	COMPUTER FORENSICS INVESTIGATIONS	3
CSCI 3042	COMPUTER SECURITY	3
	Sub-Total Credits	**9**

	Total Credits	**24-27**

Criminal Justice

Degree Type
Minor

15 credits are required for completion of a minor in Criminal Justice inclusive of the following courses and two criminal justice electives (6 credits).

Required Courses

Course Code	Title	Credits
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 3005	CONSTITUTIONAL LAW	3
CRIM 3010	CRIMINAL LAW	3
	CRIM XXXX: Criminal Justice Elective	3

	Total Credits	**12**

Criminalistics

Degree Type
Minor

The Department of Justice, Law, and Security, in coordination with the departments of Biology and Chemistry, offers a Minor in Criminalistics. This minor will be offered to those who have demonstrated proficiency in the forensic application of the sciences of Biology and Chemistry. This forensic application entails a basic understanding and demonstrated knowledge of selected subject matter areas of the Criminal Justice System.

Students must have a declared major in one of Biology, Chemistry, or Criminal Justice & Criminology. Students not in one of those majors with an interest in criminal justice should consider the Criminal Justice minor.

There are two tracks for the minor. One for Biology and Chemistry majors (16 credits), and a second for Criminal Justice & Criminology majors (15 credits).

Required Courses

Track 1

For Biology & Chemistry Majors:

Course Code	Title	Credits
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 3005	CONSTITUTIONAL LAW	3
CRIM 3040	CRIME SCENE INVESTIGATION & FORENSI	3
CRIM 3041	CRIME SCENE TO COURTROOM	4
CRIM 3045	CRIMINAL INVESTIGATIONS	3
	Sub-Total Credits	**16**

Required Courses

Track 2

For Criminal Justice Majors:

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CRIM 3040	CRIME SCENE INVESTIGATION & FORENSI	3
CRIM 3041	CRIME SCENE TO COURTROOM	4
	Sub-Total Credits	**15**

	Total Credits	**15-16**

Exercise and Sport Science

Degree Type
Minor

Under Exercise & Sport Science Foundation Courses, **Dance Majors** have the option to complete:

- BIOL1002 Intro to the Human Body in place of BIOL1023/L
- NSCI2005 Dance Kinesiology in place of BIOL1024/L

Foundation Courses

6 or 8 credits:

Course Code	Title	Credits
BIOL 1023	HUMAN ANATOMY AND PHYSIOLOGY I	3
BIOL 1023L	HUMAN ANAT & PHYSIO I LAB	1
BIOL 1024	HUMAN ANATOMY AND PHYSIOLOGY II	3
BIOL 1024L	HUMAN ANAT & PHYSIO II LAB	1
	Sub-Total Credits	**6-8**

Electives

Choose 1:

Course Code	Title	Credits
EXSP 2014	KINESIOLOGY (HSCU2014)	3
EXSP 2015	SOCIAL & POLITICAL ASPECTS OF	3
EXSP 3030	FITNESS TESTING & EXERCISE PRESCRIP	3
EXSP 4003	STRENGTH AND CONDITIONING	3
EXSP 4005	CLINICAL EXERCISE PHYSIOLOGY	3
EXSP 4051	Exercise & Sports Science - Internship I	1-6
	Sub-Total Credits	**3**

Required Courses

Course Code	Title	Credits
EXSP 3005	MOTOR LEARNING, CONTROL AND	3
EXSP 3007	BIOMECHANICS (HSCU3007)	3
EXSP 3025	EXERCISE PHYSIOLOGY AND SPORTS	3
EXSP 3025L	EXERCISE PHYSIOLOGY - LABORATORY	1
	Sub-Total Credits	**10**

	Total Credits	**19-21**

Forensic Behavior

Degree Type
Minor

Required Courses

Course Code	Title	Credits
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
PSYC 1021	INTRO TO PSYCHOLOGY	3
PSYC 2065	FORENSIC PSYCHOLOGY	3
	Sub-Total Credits	**9**

Elective Courses

Select 3 courses. Electives must include a minimum of one course from Psychology and one course from Criminal Justice.

Course Code	Title	Credits
CRIM 2011	INTELLIGENCE ANALYS & PRESENTA TECH	3
CRIM 3005	CONSTITUTIONAL LAW	3
CRIM 3030	THEORIES OF CRIMINAL DEVIANCE	3
CRIM 3040	CRIME SCENE INVESTIGATION & FORENSI	3
PSYC 3023	PSYCHOLOGICAL DISORDERS	3
PSYC 3152	APPLIED BEHAVIOR ANALYSIS	3
PSYC 3029	SOCIAL PSYCHOLOGY	3
	Sub-Total Credits	**9**

	Total Credits	**18**

Mathematics

Degree Type
Minor

A minor in Mathematics would be advantageous to a student contemplating graduate study in many sciences, engineering, telecommunications or financial mathematics.

To complete a minor in mathematics, 7 courses (24 credits) must be taken in mathematics in accordance with the following schedule. Minor courses must be completed within the student's graduation timeline. A minimum GPA of 2.0 must be achieved in the minor coursework.

Please note, with the exception of the three 4-credit Calculus courses, mathematics courses are worth 3 credits. Inasmuch as the required courses are sequential and ordinarily offered yearly, the student may complete the minor in mathematics in - to reckon from the commencement of the semester in which Analytical Geometry and Calculus I is taken (and passed) - as few as two and one-half academic years; it is more likely, however, that the completion of the minor will require at least three full academic years. Owing to the fundamental nature mathematics, several majors at La Roche entail either a minor in mathematics or a significant part thereof.

Required Courses

Course Code	Title	Credits
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 2030	ANALYTIC GEOMETRY AND CALC III	4
MATH 2031	ORDINARY DIFFERENTIAL EQUATIONS	3
MATH 2050	DISCRETE MATHEMATICS I	3
MATH 2051	DISCRETE MATHEMATICS II	3
MATH 3015	LINEAR ALGEBRA	3

	Total Credits	**24**

Molecular Biology

Degree Type
Minor

To complete a minor in molecular biology, a minimum of 24 credits must be taken in biology. The student can expect to take three academic years to complete the minor because many upper level biology courses are offered on a two-year cycle.

Note: Prerequisites for Molecular Biology and Laboratory include General and Organic Chemistry (CHEM1001, CHEM1002, CHEM1003, CHEM1004, CHEM2015 or permission of instructor).

Required Courses

Course Code	Title	Credits

BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 4030	MOLECULAR BIOLOGY	3
BIOL 4031	MOLECULAR BIOLOGY - LAB	1
	Sub-Total Credits	**12**

Select at least 12 additional credits from the following courses:

Course Code	Title	Credits
BIOL 2025	MICROBIOLOGY	3
BIOL 3013	GENETICS	3
BIOL 3014	GENETICS - LAB	1
BIOL 3026	CELL BIOLOGY	3
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
BIOL 3037	BIOCHEMISTRY I - LAB (CHEM3037)	1
BIOL 3038	BIOCHEMISTRY II (CHEM3038)	3
BIOL 4019	IMMUNOLOGY	3
BIOL 4020	IMMUNOLOGY - LAB	1
	Sub-Total Credits	**12**

	Total Credits	**24**

Pre-Law

Degree Type
Minor

Law schools look for students with critical thinking skills and problem-solving abilities, as well as strong writing and oral communication skills. The courses required for completion of a Pre-Law Minor should help students develop those types of skills.

Three academic years are estimated for the Pre-Law Minor with respect to fall/spring course rotation and prerequisites. Students interested in preparing for the LSAT examination should consult with the chair of the Justice, Law, and Security Department for assistance. Completion of this minor alone may not necessarily facilitate adequate preparation for this professional credential.

18 credits are required for completion of the Pre-Law Minor.

Required Courses

Select 1 from the following:

Course Code	Title	Credits
	PHIL 3-4XXX: Upper-level Philosophy	3
	PSYC 3-4XXX: Upper-level Psychology	3
	SOCL 3-4XXX: Upper-level Sociology	3
	ENGL 3-4XXX: Upper-level English or Literature	3
	HIST 3-4XXX: Upper-level History	3
	Sub-Total Credits	**3**

Pre-Law Required Courses

Course Code	Title	Credits
CRIM 4055	SENIOR CRIMINAL JUSTICE CAPSTONE	3
ENGL 2030	TECHNICAL WRITING	3
PHIL 1020	LOGIC	3
PHIL 2026	ETHICS (SLRS)	3
POLI 3005	Constitutional Law	3
	Sub-Total Credits	**15**

	Total Credits	**18**

Psychology

Degree Type
Minor

To complete a minor in psychology, a student must take a minimum of 16 credits. Two academic years are estimated for psychology minor completion with respect to fall/spring course rotation and prerequisites. All coursework must be completed within the student's graduation timeline. NOTE: This minor is not available to students majoring in human service.

In addition to the two required courses shown below, students must select three psychology electives, at least one of which must be upper division (3000 level or above). Successful completion of MATH1040, Probability and Statistics, is a prerequisite for students completing this minor.

Required Courses

Course Code	Title	Credits
PSYC 1021	INTRO TO PSYCHOLOGY	3
PSYC 3011	RESEARCH METHODS IN PSYCHOLOGY	3
PSYC 3070	Critical Skills for Psychology Students	3
	Total Credits	**9**

Robotics

Degree Type
Minor

The Minor in Robotics is meticulously designed to equip Computer Science undergraduates with a thorough and comprehensive understanding of robotics. This program delves into the fundamental principles of robotics, advanced programming techniques, and a wide range of applications. Students will engage in hands-on projects, learning to design, build, and program autonomous robotic systems. The curriculum encompasses key topics such as sensor integration, control systems, machine learning, and artificial intelligence, ensuring that graduates are well-prepared to tackle the challenges and innovations in the dynamic field of robotics. 14 credits of prerequisite courses are required to complete the minor coursework.

Required Courses

Course Code	Title	Credits
CSCI 1010	PROGRAMMING I	3
CSCI 1010L	PROGRAMMING I - LAB	1
CSCI 2025	SYSTEMS PROGRAMMING	3
CSCI 2025L	SYSTEMS PROGRAMMING - LAB	1
CSCI 2033	MECHATRONICS	3
CSCI 2033L	MECHATRONICS	1
CSCI 4070	INTRO TO ARTIFICIAL INTELLIGENCE	3
CSCI 4080	FUNDAMENTALS OF ROBOTICS	3
CSCI 4080L	FUNDAMENTALS OF ROBOTICS - LAB	1
	Total Credits	**19**

Pre-Athletic Training

Degree Type
Pre-Professional

This is an Early Acceptance Program (EAP) and is provisional. Phase I consists of pursuing any LRU major, and along with the required pre-requisite courses.

For consideration for admission into the Messiah University MSAT program, a La Roche University student must successfully meet all of the admissions requirements and successfully complete an admissions interview with the Messiah University MSAT Program Director and/or MSAT faculty member.

To successfully enter Phase II, the following (in conjunction with the requirements of another LRU major) is required:

- 32 credits of required prerequisite courses
- Minimum Cumulative GPA of at least 3.0 on a 4.0 scale upon graduation
- Minimum Pre-requisite GPA of a 3.0 on a 4.0 scale upon graduation
- Transfer and Advanced Placement credits that are accepted towards a La Roche bachelor degree may be used to fulfill prerequisite requirements.
- Meet with La Roche program coordinator for program pre-screening in spring of junior year or fall of senior year
- Completion of the ATCAS Application (Athletic Training Centralized Application System)
- Completion of CPR – Professional Rescuer certification prior to matriculation
- Two letters of recommendation (at least one of the two must be from a faculty member)
- Submitted personal statement outlining awareness of the AT profession, personal and professional goals, and familiarity with MSAT at Messiah University.

Students apply using the Messiah MSAT application process.

Required Courses

Course Code	Title	Credits
BIOL 1023	HUMAN ANATOMY AND PHYSIOLOGY I	3
BIOL 1023L	HUMAN ANAT & PHYSIO I LAB	1
	Total Credits	**4**

Pre-Chiropractic - Palmer College of Chiropractic

Degree Type
Pre-Professional

A Doctor of Chiropractic is a health care professional focused on diagnosis and treatment of neuromuscular disorders, with an emphasis on treatment through manual adjustments and passive/ active therapies.

The La Roche University/ Palmer College of Chiropractic program is a six-year and one third program, culminating in a Doctor of Chiropractic (DC) degree from Palmer. Palmer is awarded programmatic accreditation by The Council on Chiropractic Education and regionally accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

ADMISSION REQUIREMENTS FOR PROFESSIONAL PHASE (PALMER):

- Meeting the prerequisite requirements for admission to Palmer.
- Attaining a minimum 3.0 cumulative grade point average in coursework; however students receiving a minimum of 2.75 cumulative GPA may be considered for Palmer admissions but are not guaranteed a seat under this agreement.
- Receiving a positive recommendation of the Chair of the Department of Health Science.
- Students accepted into the Professional Phase complete three and one third years of full-time study at Palmer College of Chiropractic. Upon successful completion of the sixth and one third year, students will be awarded a Bachelor's degree from La Roche and a Doctor of Chiropractic degree from Palmer College of Chiropractic.

REQUIREMENTS: To successfully complete the Pre- Chiropractic program, the following coursework is required:

- 32 credits of Science and Mathematics courses and additional major specific coursework depending on choice of bachelor's degree
- 37 CORE credits
- Must have completed a minimum of 90 credits prescribed by their LRU program prior to articulation or have a written plan in place to show how these requirements will be completed at Palmer College of Chiropractic.

Science and Mathematics Component

Course Code	Title	Credits
BIOL 1023	HUMAN ANATOMY AND PHYSIOLOGY I	3
BIOL 1023L	HUMAN ANAT & PHYSIO I LAB	1
BIOL 1024	HUMAN ANATOMY AND PHYSIOLOGY II	3
BIOL 1024L	HUMAN ANAT & PHYSIO II LAB	1
CHEM 1007	PRINCIPLES OF CHEMISTRY I	3
CHEM 1008	PRINCIPLES OF CHEMISTRY I - LAB	1
CHEM 1017	PRINCIPLES OF CHEMISTRY II	3
CHEM 1018	PRINCIPLES OF CHEMISTRY II - LAB	1
HSCU 1020	MEDICAL TERMINOLOGY	3
MATH 1040	PROBABILITY AND STATISTICS	3
NSCI 1025	Normal and Clinical Nutrition	3
PHYS 1010	PHYSICS FOR HEALTH SCIENCE	3
PHYS 1010L	PHYSICS FOR HEALTH SCIENCE - LAB	1
	Total Credits	**29**

Pre-Dental LECOM

Degree Type
Pre-Professional

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing a any La Roche University major and the required prerequisite courses before entering Phase II.

To successfully enter this program, the following conditions must be met:

- Minimum SAT >= 1240, ACT >= 26 single exam score
- High school GPA >= 3.5 on a 4.0 scale, unweighted
- US Citizen or lawful permanent resident
- Must apply to LECOM prior to starting their 3rd year

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing an LRU major.

To successfully enter Phase II, the following pre-requisites (in conjunction with the requirements of another LRU major) are required:

- 33 credits of required courses (27 Science and 6 Humanities)
- No grade lower than a C allowed in the courses listed.

- No CLEP or P/F credits allowed.
- AP scores of 4 or 5 may be accepted for English and Behavioral Science courses but a replacement course applicable to the field of dental medicine or a course of similar academic rigor must be taken instead.
- Minimum course load of 14 credits must be taken per semester and semester GPA >= 3.0 to remain in program.
- Minimum overall GPA >=3.4 and minimum science GPA >= 3.3
- DAT required; minimum average of 18 on the science section
- 100 hours of job shadowing in a clinical dental setting is recommended.

In addition, students must attend a minimum of 2 consecutive years at LRU. All students completing Phase I must be approved by the Preprofessional faculty committee to enter Phase II. There are only 5 seats available each year. LECOM School of Dental Medicine is located in Bradenton. Students apply using AADSAS application process.

Additional Science Recommendations

Course Code	Title	Credits
BIOL 2021	COMPARATIVE VERTEBRATE	4
BIOL 2021L	COMPARATIVE VERTEBRATE	0
BIOL 2022	COMPARATIVE VERTEBRATE	4
BIOL 2022L	COMPARATIVE VERTEBRATE	0
BIOL 2025	MICROBIOLOGY	3
BIOL 2025L	MICROBIOLOGY - LAB	1
BIOL 3013	GENETICS	3
BIOL 3026	CELL BIOLOGY	3
BIOL 4019	IMMUNOLOGY	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
	Sub-Total Credits	**25**

Humanities Component

Course Code	Title	Credits
ENGL 1011	ACADEMIC READING AND WRITING	3
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
	Sub-Total Credits	**6**

Science Component

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
BIOL 3036	BIOCHEMISTRY I (CHEM3036)	3
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
	Sub-Total Credits	**27**

	Total Credits	**58**

Pre-Optometry (Salus University)

Degree Type
Pre-Professional

A major in Optometry is meant to prepare students for a career as an optometrist. As health-care practitioners, optometrists engage in an examination process of the eye; as well as, diagnosing, treating, and managing diseases of the visual system affecting the eye. In addition, optometrists prescribe spectacle and contact lenses in order to correct refractive errors.

The La Roche University/ Salus University Doctor of Optometry program is a seven-year program, culminating in a Doctor of Optometry (OD) degree from Salus. Salus' Doctor of Optometry program is fully accredited by the Accreditation Council on Optometric Education (ACOE) of the American Optometric Association (AOA).

REQUIREMENTS FOR PRE-OPTOMETRY (PHASE 1):

- Complete the Pre-Optometry curriculum at La Roche, which must consist of a minimum of 90 semester hours of undergraduate education including the required prerequisites
- Maintain a GPA of 3.0 or above on a 4.0 scale.
- Submit a completed application to the Optometry Centralized Application Service (OptomCAS), including satisfactory scores results of the

- Optometry Admissions Test (OAT) and required letters of evaluation.
- Shadow a practicing optometrist(s) in order to be familiar with the role of the optometrist as a member of the healthcare team.

REQUIREMENTS FOR PROFESSIONAL PHASE 2 (SALUS UNIVERSITY):

- For consideration for admission into the Doctor of Optometry Program at Salus, a student must successfully complete Phase I as described above.
- Students must then apply to the Doctor of Optometry Program by following the application procedures described on the Salus University website no later than December 1st of the intended entering year. These admissions procedures include completion of a successful on-campus interview.
- Salus will reserve four (4) seats in each class of the Doctor of Optometry Program for La Roche students who have successfully completed Phase I of the Program and the Phase II application process. If there are more than four (4) such qualified La Roche students, the remaining La Roche students will be considered for admission along with all other applicants.

Students accepted into the Professional Phase complete four years of full-time study at Salus University. Upon successful completion of the fourth year, students will be awarded either a Bachelor of Arts degree in Health Science or a Bachelor of Science degree in Biology from La Roche University depending on their declared major.

REQUIREMENTS: The following coursework is required:

- 56 credits of Phase 1 courses
- Must have completed a minimum of 90 credits prescribed by their LRC program prior to articulation

Phase I Component

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
	BIOL 1015/L OR BIOL 2025/L	4
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
ENGL 1011	ACADEMIC READING AND WRITING	3
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1033	ANALYTIC GEOMETRY AND CALCULUS II	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
PSYC 1021	INTRO TO PSYCHOLOGY	3
	Total Credits	**56**

Pre-Osteopathic Medicine LECOM

Degree Type
Pre-Professional

This is an Early Acceptance Program (EAP) and is provisional. Phase I consists of pursuing any La Roche University major, and completing the required LECOM prerequisite courses.

To successfully enter this program, the following conditions must be met:

- SAT/ACT scores are strongly recommended but not required to apply
- High School GPA>=3.5 on a 4.0 scale, unweighted
- US Citizen or lawful permanent resident
- Must apply to LECOM prior to start of 3rd year for 4+4 track.

To successfully enter Phase II, the following pre-requisites (in conjunction with the requirements of another LRU major) are required:

- 46 credits (34 Science in Biology, Chemistry, and Physics and 12 Humanities in English and Behavioral Science).
- No grade lower than a C allowed in the courses listed
- No CLEP or P/F credits allowed

- AP scores of 4 or 5 may be accepted for English and Behavioral science courses.
- Minimum course load of 14 credits must be taken per semester and semester GPA>=3.0 to remain in program
- Minimum overall GPA>=3.4 and minimum science GPA>=3.3
- Students enrolled in the EAP may be exempt from taking the MCAT.
- Shadowing a DO (Doctor of Osteopathic Medicine) is highly recommended

In addition, students must attend a minimum of 2 consecutive years at LRU. All students completing Phase I must be approved by the Pre-Professional faculty committee to enter Phase II. There are only 5 seats available each year. LECOM has 2 campuses for Phase II: Erie, PA

Humanities Component

Course Code	Title	Credits
ENGL 1011	ACADEMIC READING AND WRITING	3
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
	Behavioral Science Courses	6
	Sub-Total Credits	**12**

Science Component

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
	CHEM3036/3037 or CHEM2016/L	4
	PHYS1010 or PHYS1032/L	4
	Sub-Total Credits	**28**

	Total Credits	**40**

Pre-Pharmacy LECOM

Degree Type
Pre-Professional

This is an Early Acceptance Program (EAP) and is provisional. Phase I consists of pursuing any La Roche University major, along with the required pre-requisite courses. There are two tracks for Phase I: a 3+ and 4+. Students in the 3+ track only spend 3 years in Phase I and must complete at least 75% of their LRU major and have in place a plan for transferring back LECOM Pharmacy courses to complete their LRU major prior to entering Phase II.

To successfully enter this program, the following conditions must be met:

- SAT/ACT scores are strongly recommended but not required to apply
- High School GPA>=3.0 on a 4.0 scale, unweighted
- US Citizen or lawful permanent resident
- Must apply to LECOM prior to start of 2nd year for 3+ track and 3rd year for 4+ track

To successfully enter Phase II, the following pre-requisites (in conjunction with the requirements of another LRU major) are required:

- 56 credits (35 Science in Biology, Chemistry, Physics, and Mathematics, and 21 Humanities and non-science coursework).
- No grade lower than a C allowed in the courses listed
- No CLEP or P/F credits allowed
- AP scores of 4 or 5 may be accepted for Math and Science courses but a replacement course applicable to the field of pharmacy or a course of similar academic rigor must be taken instead.
- AP scores of 3 or higher may be accepted for English and Behavioral Science courses but a replacement course applicable to the field of pharmacy or a course of similar academic rigor must be taken instead.
- Minimum course load of 14 credits must be taken per semester and semester GPA>=3.0 to remain in the program
- Minimum overall GPA>=3.2 and minimum science GPA>=3.0
- PCAT is optional but highly recommended. If taken, scores must be reported.

In addition, students must attend a minimum of 2 consecutive years at La Roche University. All students completing Phase I must be approved by the Pre-Professional faculty committee to enter Phase II. There are only 5 seats available each year. LECOM has 2 campuses for Phase II: Erie, PA (3 year program) and Bradenton, FL (4 year program). Students apply to either but not both using the PharmCAS application process.

Humanities:

12 credits: includes a Psychology OR Sociology course AND an Economics course

Course Code	Title	Credits
ENGL 1011	ACADEMIC READING AND WRITING	3
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
	Psychology or Sociology Course AND Economics Course	6
	Sub-Total Credits	**12**

Pre-Podiatric Science Component

Course Code	Title	Credits
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
	Sub-Total Credits	**1**

Science Component

Course Code	Title	Credits
BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 1004	GENERAL CHEMISTRY II - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
MATH 1032	ANALYTIC GEOMETRY AND CALCULUS I	4
MATH 1040	PROBABILITY AND STATISTICS	3
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
	Sub-Total Credits	**35**

	Total Credits	**48**

Pre-Podiatric Medicine LECOM

Degree Type
Pre-Professional

This is an Early Acceptance Program (EAP) and is provisional. Phase I consists of pursuing any LRU major, and a minimum of 60 credit hours taken at La Roche. In addition, students must complete the pre-podiatric medicine prerequisite courses during their time at La Roche before moving on to Phase II.

REQUIREMENTS: To successfully enter this program, the following conditions must be met:

- SAT/ACT scores are strongly recommended but not required to apply
- High school GPA >= 3.0 on a 4.0 scale, unweighted
- US Citizen or lawful permanent resident
- Must apply to LECOM prior to earning 65 undergraduate credit

To successfully enter Phase II, the following pre-requisites (in conjunction with the requirements of another LRU major) are required:

- 38 credits of required courses (32 Science and 6 Humanities)
- No grade lower than a C allowed in the courses listed.
- No CLEP or P/F credits allowed.
- AP scores of 4 or 5 may be accepted for English courses.
- Minimum overall GPA >=3.2 and minimum science GPA >= 3.0
- Minimum 490 MCAT; if lower score is received student will be interviewed a second time.

All students completing Phase I must be approved by the Pre-Professional faculty committee to enter Phase II. There are only 2 seats available each year. LECOM is located in Erie. Students apply to Phase II on the LECOM portal: https://portal.lecom.edu/ics

Humanities Component

Course Code	Title	Credits
ENGL 1011	ACADEMIC READING AND WRITING	3
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
	Sub-Total Credits	**6**

Pre-Podiatric Science Component

Course Code	Title	Credits

BIOL 1003	GENERAL BIOLOGY I	3
BIOL 1004	GENERAL BIOLOGY II	3
BIOL 1005	GENERAL BIOLOGY I - LAB	1
BIOL 1006	GENERAL BIOLOGY II - LAB	1
CHEM 1001	GENERAL CHEMISTRY I	3
CHEM 1002	GENERAL CHEMISTRY II	3
CHEM 1003	GENERAL CHEMISTRY I - LAB	1
CHEM 2015	ORGANIC CHEMISTRY I	3
CHEM 2015L	ORGANIC CHEMISTRY I - LAB	1
CHEM 2016	ORGANIC CHEMISTRY II	3
CHEM 2016L	ORGANIC CHEMISTRY II - LAB	1
PHYS 1032	GENERAL PHYSICS I	3
PHYS 1032L	GENERAL PHYSICS I - LAB	1
PHYS 1033	GENERAL PHYSICS II	3
PHYS 1033L	GENERAL PHYSICS II - LAB	1
	Sub-Total Credits	**31**

	Total Credits	**37**

General Education

Core Curriculum

Degree Type
Core Curriculum

New Core Implemented in the Academic Year 20-21 for all student entering Fall 2020 and later.

Areas of Knowledge

Foundations of Knowledge: 15 Credits

These courses provide a foundation of skills for lifelong learning such as writing, mathematics, analytical thinking, problem solving, computer applications, information literacy, and communications.

- ENGL 1011 - Academic Reading and Writing
- ENGL 1012 - Academic Writing and Research
- MATH 1010 - College Algebra or MATH 1002 - Foundations of Quantitative Reasoning or MATH 1040 - Probability & Statistics
- ISTC 1010 - Digital Literacy
- SPCH 1010 - Oral Communications

Breadth of Knowledge: 12 Credits

These courses emphasize broad-based, liberal education and challenge students to explore the principles, methodologies and resources within areas of intellectual inquiry outside their major field of study. Twelve credits are required, including study within four of the following domains. One domain will be fulfilled by the student's major.

- Global Perspectives
- Human Expression
- Natural and Physical World
- Social Sciences
- Values and Ethics

Global Perspectives

Courses in this area focus on the breadth and diversity of culture, countries, and societies through the use of global-centered theories or perspectives. They explore and analyze problems, issues, and phenomena impacting communities, nations, and regions in an increasingly globalizing world.

Human Expression

Courses in this area will require students to review, analyze, and/or create works based upon established criteria within one or more fields of human artistry and expression (literature, performing arts, visual arts, etc.). Students will reflect on how such works embody the interaction of individual voice and vision with community norms and values, as well as understanding such works within their historical and artistic contexts. This exploration of diverse human experiences and perspectives will help students cultivate an awareness of self in relation to their community and the surrounding world.

Natural and Physical World

Courses in this area focus on using the scientific method to understand the world. Students will build foundational knowledge of scientific principles and apply this knowledge to contemporary issues. Courses will explore scientific concepts, applications, data analysis, and literature through discussions and hands-on experiments. Students will utilize this knowledge to investigate a specific topic in a project related to the natural and physical world.

Social Sciences

Social science courses introduce students to the diversity and complexity of various social systems. Through scientific inquiry, students will examine patterns of human behavior and relationships as well as social interactions and processes. These

courses will prepare students for civic engagement towards personal growth, professional goals, and responsibilities of citizenship.

Values and Ethics

Courses in this area will examine, through historical and cultural perspectives, the nature and ramifications of being a human seeking to answer the question "how ought we to live?" Students will reflect on this question through encounters with religious, philosophical, or ethical texts and artifacts. At the same time, by emphasizing the application of ethical choices and behavior to the individual's daily life, these courses will encourage students to examine their own social, professional, environmental, and/or religious values.

Depth of Knowledge: 3 Credits

- INQU - Interdisciplinary Inquiry

Courses designed to engage students in an in-depth exploration of a specific topic, as viewed from multiple perspectives.

Core Elective: 3 Credits

Students must choose one CORE elective from either the Breadth of Knowledge OR Interdisciplinary Inquiry course areas.

The La Roche Experience: 4 Credits

The La Roche Experience is composed of composed of two courses. The first course is a one-credit course that focuses on the University Mission and history. The second course is a three-credit course that focuses on justice issues viewed through the lens of the University mission, while engaging with the community to plan and execute a service-learning project. Associate degree students, degree-completion students, veterans, and adult learners are exempt from this requirement.

Learning Outcomes

Upon successful completion of the core, students are expected to demonstrate the following characteristics, in addition to the learning outcomes described for each component and the component courses of the curriculum.

- Competence in the fundamental activities necessary for success in any field of study.
- The power to pose academic questions in areas of intellectual inquiry outside the student's major field of study, and to draw on the principles, methodologies and resources native to those areas in addressing these questions.
- The ability to recognize the complex, interdisciplinary nature of knowledge as it is generated in the world today, and the corresponding ability to approach issues from a variety of perspectives and with a variety of analytical tool
- The imaginative capacity to conceptualize the interrelationships between local and global communities, and the moral capacity to act on that awareness to further freedom, peace, justice and well-being for all the world's people.
- The conviction that academic study is infused with ethical choices and concerns, and the courage to promote ethical beliefs and behavior in their academic and personal lives.

Core Waivers

- Students entering La Roche with 60 - 89 credits will be exempt from the 3 credits of core elective and LRX.
- Students who enter La Roche with 90 or more credits will be waived from: the 3 credits of core elective, LRX, and Interdisciplinary Inquiry
- Adult students (age 25 or older at the point of admission), students who are veterans of the United States military, students with an Associate's Degree, and degree-completion students are not required to participate in the La Roche Experience.

All core waivers for individual students are reflected in the student's degree audit.

La Roche Experience

Course Code	Title	Credits
LRUX 1001	LRX: FOUNDATIONS AND MISSION	1
LRUX 2500	INVESTIGATING SOCIAL PROBLEMS	3

Breadth of Knowledge

Natural and Physical World

Course Code	Title	Credits
BIOL 1001	LIFE SCIENCE (SLSC)	3
BIOL 1007	INTRO TO BIOLOGY: BUGS AND	3
BIOL 1007H	INTRO TO BIOLOGY: BUGS AND BREW-	3
CHEM 1006	INTRO TO CHEMISTRY:BRAVING THE ELEM	3
CHEM 1007	PRINCIPLES OF CHEMISTRY I	3

CSCI 1002	INTRO TO COMPUTER SCIENCE	3
HSCU 1010	HEALTH AND WELLNESS	3
NSCI 1001	THE NATURAL SCIENCES (SLSC)	3
PHYS 1006	INTRO TO PHYSICAL SCIENCE -	3

Social Sciences

Course Code	Title	Credits
CMET 1001	HUMAN COMMUNICATION	3
CMET 1001H	HUMAN COMMUNICATION - HONORS	3
CRIM 1001	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM 2006	THE RULE OF LAW	3
EXSP 2015	SOCIAL & POLITICAL ASPECTS OF	3
HIST 1015	HISTORY OF THE WORLD (SLHS)	3
HIST 1016	SOCIAL DYNAMICS OF US HISTORY	3
HIST 3002	HISTORY OF EUROPEAN DIPLOMACY	3
HSCU 2015	SOCIAL AND POLITICAL ASPECTS OF	3
POLI 2002	MULTICULTURAL HISTORY OF THE U.S.	3
POLI 3030	COMPARING DEMOCRACIES	3
POLI 3032	COMPARATIVE PUBLIC POLICY	3
SOCL 1021	RACE, CLASS & GENDER: INTRO TO SOCI	3
SOCL 1034	RACE AND ETHNICITY (SLSO)	3
SOCL 1034H	RACE AND ETHNICITY - HONORS	3
SOCL 2070	CULTURE AND HUMAN SOCIETIES	3

Values and Ethics

Course Code	Title	Credits
CRIM 1003	UNDERSTANDING THE U.S. CONSTITUTION	3
ENGL 2035	MORAL OF THE STORY	3
PHIL 1018	UNDERSTANDINGS OF THE	3
PHIL 1021	INTRO TO PHILOSOPHY	3
PHIL 2026	ETHICS (SLRS)	3
RELS 1001	OLD TESTAMENT (SLRS)	3
RELS 1002	NEW TESTAMENT (SLRS)	3
RELS 1003	WORLD RELIGIONS (SLRS)	3
RELS 1003H	WORLD RELIGIONS - HONORS	3
RELS 1004	THE BIBLE AS LITERATURE	3
RELS 1019	CONSCIENCE AND FREE WILL (SLRS)	3
RELS 1020	THE BIBLE AS A BOOK OF SOCIAL	3

Global Perspective

Course Code	Title	Credits
CMET 2003	COMMUNICATION BETWEEN CULTURES	3
CRIM 1002	INTERNATIONAL JUSTICE SYSTEMS	3
ENGL 2015	ISSUES AND DEBATES ACROSS CULTURES	3
ENGL 2016	THE HOLOCAUST IN LITERATURE	3
ENGL 2022	WORLD LITERATURE II	3
ENGL 2047	WRITING AND SINGING THE BLUES:	3
GEOG 2011	WORLD GEOGRAPHY	3
HIST 1013	WESTERN CIVILIZATION I (SLHS)	3
HIST 1014	WESTERN CIVILIZATION II	3
HIST 2000	BRITAIN AND ITS EMPIRE	3
HSCU 2016	GLOBAL HEALTH CARE (GLBL)	3
INST 2013	INTRO TO INTERNATIONAL STUDIES	3
INST 2013H	INTRO TO INTERNATIONAL STUDIES	3
MLFR 1001	ELEMENTARY FRENCH I	4
MLFR 1002	ELEMENTARY FRENCH II	4
MLSP 1001	ELEMENTARY SPANISH I	3
MLSP 1002	ELEMENTARY SPANISH II	3
POLI 3055	TODAY'S GLOBAL WARS	3

Human Expression

Course Code	Title	Credits
DSGN 1013	INTRO TO PHOTOGRAPHY (SLAE)	3
DSGN 1015	THE AESTHETIC EXPERIENCE OF	3
DSGN 2001	THE CREATIVE PROCESS (COMM)	3
DSGN 2002	ART IN EVERYDAY LIFE	3
DSGN 2003	EXPLORING ART (SLAE)	3
DSGN 2005	INTRODUCTION TO DESIGN AND IMAGE	3
ENGL 1002	SING AND PRAISE: CONTEMPORARY	3
ENGL 2002	DRAMATIC LITERATURE	3
ENGL 2008	CONTEMPORARY LITERATURE	3
ENGL 2017	SHAKESPEARE ON FILM	3
ENGL 2018	THE FIRE AND THE ROSE: RELIGIOUS	3
ENGL 2021	WORLD LITERATURE I	3
ENGL 2036	AMERICAN MULTICULTURAL LIT	3
ENGL 2039	MODERN AMERICAN LITERATURE	3
ENGL 2042	SCIENCE FICTION	3
ENGL 3047	THEATER IN THE CITY	3
FILM 1025	FILM AND VISUAL STORYTELLING	3
PART 1001	MUSIC APPRECIATION I (SLAE)	3
PART 1002	MUSIC APPREC II: INTRO TO JAZZ	3
PART 1022	FUNDAMENTALS OF MUSIC I	3
PART 1045	HISTORY OF ROCK AND ROLL (SLAE)	3
PART 1055	HISTORY OF MUSICAL THEATER	3

Depth of Knowledge

Course Code	Title	Credits
INQU 3001	MEDIA AND DEMOCRACY	3
INQU 3002	ANIMAL RIGHTS	3
INQU 3003	WAR IN FILM AND LITERATURE	3
INQU 3004	CRIME, TERROR & THE ENVIRONMENT	3
INQU 3005	WHY WE FIGHT: HISTORICAL	3
INQU 3007	GAME STUDIES	3
INQU 3007H	GAME STUDIES	3
INQU 3013	AMERICAN JUSTICE	3
INQU 3015	EARLY CANADIAN HISTORY AND TALES	3
INQU 3016	THE HOLOCAUST & MODERN GENOCIDE	3
INQU 3018	FILMS, FICTIONS, & ALTERNATE HISTOR	3
INQU 3019	UNDERSTANDING AI FOR THE FUTURE	3
INQU 4001	THE CLASH OF CONSCIENCE AND	3
INQU 4003	VIRTUAL COMMUNITIES & SOCIAL MEDIA	3
INQU 4005	HISTORY AND PHILOSOPHY OF SPORTS	3
INQU 4008	MIGRATION IN THE MODERN WORLD	3
INQU 4017	DISEASES THAT CHANGED THE WORLD	3
INQU 4019	GALAPAGOS ISLANDS COMMUNITIES	3
INQU 4025	WOMEN ACROSS CULTURES	3

Foundations of Knowledge

Course Code	Title	Credits
ENGL 1012	ACADEMIC WRITING AND RESEARCH	3
ISTC 1010	DIGITAL LITERACY	3
MATH 1002	FOUNDATIONS OF QUANTITATIVE	3
MATH 1010	COLLEGE ALGEBRA	3
SPCH 1010	ORAL COMMUNICATION	3

Courses

ACAD 1100: ACADEUM COURSE:

Course instructed through the Acadeum CIC Online Course Sharing Consortium.

Credit Type	**Variable**
Credits	**1-6**

ACAD 2100: ACADEUM COURSE:

Course instructed through the Acadeum CIC Online Course Sharing Consortium.

Credit Type	**Variable**
Credits	**1-6**

ACAD 3100: ACADEUM COURSE:

Course instructed through the Acadeum CIC Online Course Sharing Consortium.

Credit Type	**Variable**
Credits	**1-6**

ACAD 4100: ACADEUM COURSE:

Course instructed through the Acadeum CIC Online Course Sharing Consortium.

Credit Type	**Variable**
Credits	**1-6**

ACCT 1001: ACCOUNTING CONCEPTS

An examination of accounting from a generalist's perspective designed to provide the non-business major an understanding of how accounting procedures and principles affect operating, investing, and financing decisions. This course focuses on accounting concepts and principles, accounts and financial statements, and evaluating business operations. Topics include current assets, long-lived assets, liabilities, and owner's equity. This course will not fulfill degree requirements for management division programs.

Credit Type	**Fixed**
Credits	**3**

ACCT 2003: ACCOUNTING I

The first of a two-course introductory financial accounting sequence that examines financial accounting from the viewpoint of preparers and users of financial statements. This course focuses on a basic introduction to Generally Accepted Accounting Principles along with the principles and concepts of recording, processing, and reporting accounting information. Topics include the accounting cycle, including financial statement preparation; merchandising operations, including inventory systems and cost flow assumptions; special journals; internal control systems; cash and bank reconciliations; and receivables and uncollectible accounts.

Credit Type	**Fixed**
Credits	**3**

ACCT 2004: ACCOUNTING II

PREREQUISITE: ACCT2003. The second of a two-course introductory financial accounting sequence that examines financial accounting from the viewpoint of preparers and users of financial statements. This course focuses on a continuation of basic Generally Accepted Accounting Principles along with the principles and concepts of recording, processing, reporting, using, and analyzing accounting information. Topics include long-lived assets, current and long-term liabilities, partnership and corporate equity transactions, the statement of cash flows, and ratio analysis.

Credit Type	**Fixed**
Credits	**3**

ACCT 2013: MANAGERIAL ACCOUNTING

PREREQUISITE: ACCT2003. An examination of the internal uses of accounting information, this course focuses on the relationship between accounting data and management's information needs in support of planning, controlling, motivating, and decision making. Topics include costing systems and behaviors; product costs, period costs, and overhead application methods; cost-volume-profit analysis; budgeting; standards and variance analysis; and managerial decision making.

Credit Type	**Fixed**
Credits	**3**

ACCT 2025: ACCOUNTING WITH COMPUTERS

PREREQUISITE: ACCT2004 A hands-on experience of the integration of technology into the accounting field. This course enables students to work through a complete accounting cycle using a commercial accounting software package. Topics include the preparation of accounting information and its subsequent uses, as well as the instruction of advanced skills needed to use spreadsheet software to prepare schedules commonly found in an accounting environment.

Credit Type	**Fixed**
Credits	**3**

ACCT 3001: TAXATION I

PREREQUISITE: ACCT2004 This introductory taxation course examines the basic income tax provisions of the federal Internal Revenue Code, with a particular focus on those provisions that affect the tax liabilities of individual taxpayers. This course focuses on some of the basic forms that must be submitted by taxpayers, recognition of present real world tax issues, planning strategies to ensure compliance with applicable law and regulations while minimizing the taxpayers' exposure to liability, and the evaluation of the practical and ethical issues that may be encountered in implementing tax strategies.

Credit Type	**Fixed**
Credits	**3**

ACCT 3002: TAXATION II

PREREQUISITE: ACCT2004 This course examines the basic income tax provisions of the federal Internal Revenue Code, with a particular focus on those provisions applicable to partnerships, corporations, and other entities. This course focuses on choice of entity issues, tax accounting and procedural issues, planning strategies, and the evaluation of the practical and ethical issues that may be encountered in implementing tax strategies.

Credit Type	**Fixed**
Credits	**3**

ACCT 3011: INTERMEDIATE ACCOUNTING I

PREREQUISITE: ACCT2004 The first of a two-course in-depth financial accounting sequence that examines the foundations of accounting theory and practice from the viewpoint of preparers and users of financial statements. This course focuses on a detailed examination and application of Generally Accepted Accounting Principles as they relate to the asset side of the balance sheet. Topics include the more complex details and attributes of accounting conceptual framework, financial statements and required disclosures, time value of money, cash, revenue recognition, receivables, inventory, and long-lived assets.

Credit Type	**Fixed**
Credits	**3**

ACCT 3012: INTERMEDIATE ACCOUNTING II

PREREQUISITE: ACCT2004 The second of a two-course in-depth financial accounting sequence that examines the foundations of accounting theory and practice from the viewpoint of preparers and users of financial statements. This course focuses on a continuation of the detailed examination and application of Generally Accepted Accounting Principles as they relate to the liability and equity side of the balance sheet, along with the impact on the other financial statements. Topics include long-term debt, share-based compensation, earnings per share, leases, prior period adjustments, accounting changes, and the statement of cash flows.

Credit Type	**Fixed**
Credits	**3**

ACCT 3014: COST ACCOUNTING

PREREQUISITE: ACCT2013 Continuing to examine the internal uses of accounting information, this course focuses on the managerial roles of planning, controlling, motivating, and decision making. Topics include a detailed examination and application of internal costing systems, the master budget and responsibility accounting, inventory cost and capacity analysis, customer profitability analysis, allocation of common cost, and the costs of quality and time as components of the balanced scorecard.

Credit Type	**Fixed**
Credits	**3**

ACCT 4001: ADVANCED ACCOUNTING

PREREQUISITE: ACCT3012 A continued examination of Generally Accepted Accounting Principles, this course focuses on complex and specialized accounting topics along with the procedures required for professional accounting certification. Topics include business combinations, governmental, not-for-profit organizations, foreign currency transactions and advanced specialized accounting issued relating to investments, plant assets, and cash flows.

Credit Type	**Fixed**
Credits	**3**

ACCT 4002: AUDITING

PREREQUISITE: ACCT3012 Providing a thorough knowledge of auditing, this course focuses on the application of auditing principles, the attest function, and Generally Accepted Auditing Standards (GAAS). Topics include auditing and assurance services, professional standards, engagement planning, management fraud and audit risk, internal control evaluation, employee fraud, and reports on audited financial statements.

Credit Type	**Fixed**
Credits	**3**

ACCT 4040: SPECIAL TOPICS IN ACCOUNTING

A customized study of selected topics in the field of accounting. Students will be guided by a department faculty member to acquaint them with current issues in the profession.

Credit Type	**Fixed**
Credits	**3**

ACCT 4051: INTERNSHIP I @

A field experience in an accounting position, supervised by field instructor as well as college faculty. The internship is designed to increase understanding of accounting and the accounting-related issues and perspectives as they relate to the business and social environment.

Credit Type	**Variable**
Credits	**1-6**

ACCT 4052: INTERNSHIP II @

A field experience in an accounting position, supervised by field instructor as well as a LRU faculty member. The internship is designed to increase understanding of accounting and the accounting-related issues and perspectives as they relate to the business and social environment.

Credit Type	**Variable**
Credits	**1-6**

ACCT 4057: INDEPENDENT STUDY - ACCOUNTING

The independent study is intended to give an opportunity to students with superior ability to pursue an area of study in accounting that is very specific in focus and/or not covered in existing offerings.

Credit Type	**Fixed**
Credits	**1-3**

ACCT 5020: ETHICS & PROFES RESPONSIB IN ACCTG

This course addresses the accountant's ethical and professional responsibilities when dealing with clients, perspective clients, field work, fellow employees, and within society itself. The student will be presented with numerous situations or case studies where an individual's ethical standards are challenged. Also addressed in the course is how a business's work environment can affect the ethical decision making of its employees.

Credit Type	**Fixed**
Credits	**3**

ACCT 5035: MODERN ACCOUNTING INFORMATION

This course examines the risk and control issues specific to the use of information systems in an organization and how these issues affect presentations on the financial statements. Students will analyze and evaluate accounting information systems that support business processes as well as management control and decision-making. Students will learn to determine and document user requirements, communicate results, and support decision-making. Also, students will develop the ability to identify key issues, analyze information, and formulate appropriate and feasible recommendations in regard to accounting information systems.

Credit Type	**Fixed**
Credits	**3**

ACCT 5040: THE BUSINESS OF READING & WRITING

This course introduces the student to writings from books and journals that will impact the manner in which students perceive their careers, supervisors, and subordinates. While many of the readings are authored by people from the business world, writings from other fields relevant to the course topics may be used.

Credit Type	**Fixed**
Credits	**3**

ACCT 5050: FRAUD EXAMINATION

This course highlights controls that prevent fraud and abuse, explores the most common asset theft fraud schemes and teaches the skills needed to determine if inappropriate actions have occurred. It explores the prevailing theories of criminal behavior related to white collar crime, as well as the basics of the regulatory, criminal justice and civil justice systems, relevant federal and state statutes and regulations related to fraud. It also covers fraud prevention and investigation tools related to asset misappropriation.

Credit Type	**Fixed**
Credits	**3**

ACCT 6020: ADVANCED FORENSIC ACCOUNTING

This course focuses on detailed financial analysis of various corporate reports to determine if unusual trends appear. Bank fraud, money laundering and bankruptcy proceedings will be studied. Students will study the provisions of the Sarbanes-Oxley Act and distinguish the procedures of fraud investigation from the regular auditing process. This course would be intended to provide students with extended practical guidance and enhance an auditor's abilities to recognize, prevent, and detect financial frauds in organizations. Through case studies, this course will increase students' knowledge about fraud and help students develop the skills to conduct fraud investigations.

Credit Type	**Fixed**
Credits	**3**

ACCT 6050: WEALTH MANAGEMENT

Wealth management is an investment advisory discipline that incorporates financial planning, investment portfolio management and a number of aggregated financial services. Wealthy individuals, small business owners, and families who desire the assistance of a credentialed financial advisory specialist call upon wealth managers to coordinate retail banking, estate planning, legal resources, tax professionals and investment management. This course introduces the student these areas of asset management by identifying various strategies and practices that best fit the aforementioned groups who need the skills of a professional financial manager.

Credit Type	**Fixed**
Credits	**3**

ACCT 6060: ACCOUNTING FOR NOT-FOR-PROFIT ENTIT

This course will cover aspects of accounting that are unique to governmental and not-for-profit organizations. Financial reporting for state and local governments will be covered along with accounting for non-profit entities conducting business-type activities. In addition, regulatory, taxation and performance issues will be discussed. Reference is made to pronouncements of the AICPA, FASB, GASB and other authoritative sources.

Credit Type	**Fixed**
Credits	**3**

ACCT 6070: ADVANCED FINANCIAL MANGEMENT

PREREQUISITE: ACCT6050 This course will build upon the principles discussed in Wealth Management. Major topics and areas to be covered include cost of capital, capital budgeting, cash flow estimation, corporate valuation, capital structure, lease financing, hybrid financing, bankruptcy and working capital management.

Credit Type	**Fixed**
Credits	**3**

ACCT 6080: CONTEMPORARY ISSUES IN TAXATION

PREREQUSITE: ACCT3001 OR ACCT3002 This course will enlighten the student about current tax topics being discussed in Congress or in the court system. An additional focus will be tax planning and compliance.

Credit Type	**Fixed**
Credits	**3**

ACCT 6085: INTERNATIONAL ACCOUNTING

This course examines major international dimensions of financial accounting. Discussion will ensue in regard to national and cultural influences on accounting and on the accounting profession. This course investigates financial regulation and varying financial reporting standards in selected foreign countries. It also introduces students to managerial accounting issues raised by international businesses. Analysis and use of the International Accounting Standards are the focus. This course will enable students to acquire skills and perspectives for dealing with international accounting and business issues.

Credit Type	**Fixed**
Credits	**3**

ACCT 6099: APPLIED RESEARCH

This course requires the masters students to apply their knowledge to a field work assignment assisting a business or businesses in solving accounting problems that the company is experiencing. Students will identify the organizations for their project and have them approved by the instructor. Their efforts will culminate in a written report and class presentation outlining the issues identified and the steps taken to solve each problem.

Credit Type	**Fixed**
Credits	**3**

ADMG 1001: INTRO TO ADMINISTRATION & MGMT

An introduction to the field of administration and management, focusing specifically on the area of business administration. The functional areas of business such as marketing, finance, personnel and production will be reviewed together with subjects such as economics, accounting and computers. This course is for non-business majors only.

Credit Type	**Fixed**
Credits	**3**

ADMG 1005: MACROECONOMICS

An introductory economics course focusing on the field of macroeconomics, including government spending, money, inflation, unemployment and taxes. Also included are brief sections on microeconomic and economic systems.

Credit Type	**Fixed**
Credits	**3**

ADMG 1006: MICROECONOMICS

An introductory economics course focusing on the field of microeconomics. Price, cost and production theory are covered in relation to competitive, monopolistic and oligopolistic industry structure. The field of labor economics is treated in some detail. Some advanced macroeconomics topics are also covered.

Credit Type	**Fixed**
Credits	**3**

ADMG 1018: FUNDAMENTALS OF MANAGEMENT

An introduction to the three major schools of management thought: the classical, the behavioral and the management science schools. The major emphasis is on the fundamentals of each school of thought and also on the integrative approach to management, drawing on the systems and contingency approaches.

Credit Type	**Fixed**
Credits	**3**

ADMG 2007: ADVERTISING AND PUBLIC RELATIONS

A comprehensive study of advertising, detailing its relationship to marketing practice. Topics such as advertising preparation, media evaluation, market research, pricing and retailing problems are included. The role of public relations in an organizational communication program is also explained. Cross-listed with MRKT2007

Credit Type	**Fixed**
Credits	**3**

ADMG 2009: BUSINESS LAW I

This coure is an introduction to law and legal procedure. Contracts, their nature and requisites formation, operations, interpretation, discharge and remedies are discussed.

Credit Type	**Fixed**
Credits	**3**

ADMG 2010: BUSINESS LAW II

PREREQUISITE: ADMG2009 Study of sales: Article 2 of the Uniform Commercial Code, transfer of title, warranties, rights and remedies of buyer and seller; Commercial paper; Article 3 of the Uniform Commercial Code and Article 4 of the Uniform Commercial Code: Bank Deposits.

Credit Type	**Fixed**
Credits	**3**

ADMG 2018: ORGANIZATIONAL BEHAVIOR

PREREQUISITE: ADMG1018 This course provides an in-depth examination of organizational behavior from a macro-perspective. This course includes a review of the research on organizational structure, technology and the environment, as well as their relationship and the implications for effective organizational design. Also included in the course are discussions of organizational goals and effectiveness, organizational culture, organizational conflict and politics, and alternative organizational structure in the U.S. and abroad.

Credit Type	**Fixed**
Credits	**3**

ADMG 2021: MARKETING MANAGEMENT

A basic study of marketing systems in the American economy. This course includes, identifying the activities involved in the flow of goods among manufacturers, brokers, wholesalers, retailers and consumers. The nature of demand, buyer behavior, costs and pricing, sales strategies, promotions and techniques are presented. Cross-listed with MRKT2021

Credit Type	**Fixed**
Credits	**3**

ADMG 2025: HUMAN RESOURCES ADMINISTRATION

A study of the basics of human resources management including planning, recruitment selection, motivation and performance appraisal. Also treated are salary benefits systems and an introduction to EEOC and OSHA law.

Credit Type	**Fixed**
Credits	**3**

ADMG 2040: INNOVATION AND ENTREPRENEURSHIP

This course will focus on the entrepreneurial process-from ideation to the implementation of a new business venture. Will concentrate on the behavioral aspects of entrepreneurs, the identification and assessment of opportunities and the marshalling of resources and skills necessary to implement the identified opportunity.

Credit Type	**Fixed**
Credits	**3**

ADMG 3003: INTERNATIONAL POLITICAL ECONOMY

PREREQUISITE: ADMG1005 An overview of the major theories of international political economy. Topics include the increasingly important role of global factors in the American economy, the international financial environment, international trade relations and economic development. Cross-listed with INST3003

Credit Type	**Fixed**
Credits	**3**

ADMG 3008: BUSINESS AND SOCIETY

This policy-oriented course provides discussion and analysis of current issues and problems of an environmental nature confronting private corporate enterprise. Major areas analyzed are comparative economic systems, the political process, corporate social responsibility, the legal environment, human value systems and the person in management.

Credit Type	**Fixed**
Credits	**3**

ADMG 3010: BUSINESS ORGANIZATION AND

PREREQUISITE: ADMG2009 This course studies the concepts of Unincorporated Business Association and Corporations. It also provides an overview of the issues relating to the Regulation of Business.

Credit Type	**Fixed**
Credits	**3**

ADMG 3015: PROJECT MANAGEMENT

PREREQUISITE: ADMG1018 This course presents a comprehensive introduction to Project Management. The task of managing projects and the challenges facing project workers are examined in the context of new realities, requirements, opportunities and problems developing in the business environment. In addition to the traditional concerns of project management involving time, budget and specifications management, quality management, contract/procurement management and communication management as they affect the management of projects in the modern work place.

Credit Type	**Fixed**
Credits	**3**

ADMG 3024: PROFESSIONAL PRESENTATION

JR/SR CLASS STANDING REQUIRED. This course is designed to provide students in the professional areas with training in preparing and giving professional presentations. Students will develop skills in audience/client assessment, research, presentation design and development, using presentation tools and presentation evaluation.

Credit Type	**Fixed**
Credits	**3**

ADMG 3025: CASE STUDIES USING ADVANCED EXCEL

PREREQUISITE: ISTC1010 Case Studies Using Advanced Excel is designed to provide students with advanced Excel applications requiring analytical skills. This course will require application within a variety of both profit and non-profit situations and will focus on problem solving and critical thinking with Excel. Excel skills incorporated into case studies will include, but are not limited to: Pivot tables and charts, VLOOKUP, IF, AND, OR formulas, Text-to- Columns, and the Concatenate function. Other software, for which Excel serves as a basis, may also be covered. Cross-listed with ISTC3025.

Credit Type	**Fixed**
Credits	**3**

ADMG 4020: OPERATIONS MANAGEMENT

Study is given to the basic operations, functions and procedures. An analytical approach is utilized with emphasis on problem solving. Modern management science techniques such as linear programming, PERT and inventory control models are presented.

Credit Type	**Fixed**
Credits	**3**

ADMG 4036: ORGANIZATION THEORY

This course is intended to provide the graduating administration and management student with a forum for exploring and comparing different theoretical approaches to the organizational aspects of modern institutions, both public and private. The participant would have the opportunity to acquire an understanding of the different ways in which organization theory is approached by scholars in different disciplines, i.e., sociologists, political scientists and public and business administrators.

Credit Type	**Fixed**
Credits	**3**

ADMG 4040: BUSINESS ETHICS: TOPICS AND

This course will provide an in-depth examination of selected topics and issues in the field of administration and management. Topics to be examined on a rotating basis to include: ethics in business, history of business, government regulation and business, theory and process of decision-making and current issues in human resource management.

Credit Type	**Fixed**
Credits	**3**

ADMG 4051: INTERNSHIP I @

A field experience in an administrative or managerial position, supervised by a field instructor as well as college faculty.

Credit Type	**Variable**
Credits	**1-6**

ADMG 4052: INTERNSHIP II - ADM AND MGMT

A field experience in an administrative or managerial position, supervised by a field instructor as well as college faculty.

Credit Type	**Variable**
Credits	**1-6**

ADMG 4055: SEMINAR - BUSINESS POLICY

An intensive culmination and synthesization of the study of administration and management consisting of readings, case study and class discussion. The primary emphasis is on the development of the skills of strategic analysis from the viewpoint of the general manager.

Credit Type	**Fixed**
Credits	**3**

ADMG 4057: INDEPENDENT STUDY -

Independent study is intended to allow a student to pursue studies in advanced or special topics.

Credit Type	**Fixed**
Credits	**1-3**

ARTH 1017: HISTORY OF ART I: PREHISTORIC

A survey of world art from prehistoric to late Gothic eras as well as an examination of the interaction of the social, political and economic forces that effected the production and appearance of such arts as painting, sculpture, architecture and the minor arts. Lectures, slides, discussion and field trips are utilized.

Credit Type	**Fixed**
Credits	**3**

ARTH 1018: HIST OF ART II: RENAISSAI TO MODERN

This course will provide a survey of world art from early Renaissance to the present day. Emphasis is on cause and effect in the various historical and technological developments of art. Lecture, discussion, slides, film strips and field trips are part of the course.

Credit Type	**Fixed**
Credits	**3**

ARTH 2002: HISTORY OF GRAPHIC DESIGN

A survey of the history of graphic design from the invention of writing to the twentieth century. Emphasis will be given to the evolution of graphic communication and will include the origins of printing and typography. The impact of the industry on visual communication and the development of modern graphic design will also be presented.

Credit Type	**Fixed**
Credits	**3**

ARTH 3016: HISTORY OF FILM (GCDN3016)

The course attempts to make the student more aware of the medium as well as its place in the development of our culture. While the approach is historical, emphasis is placed upon development of the student's visual literacy. Additionally, important topics such as censorship and film propaganda are discussed. Cross-listed with GCDN3016

Credit Type	**Fixed**
Credits	**3**

ARTH 3020: HISTORY OF CONTEMPORARY ART

A survey of modern art from the 19th century to the present day. This course explores the revolutionary forms, methods and media invented by contemporary artists to continually defy our expectations of what art should be.

Credit Type	**Fixed**
Credits	**3**

AVIC 1600: @CCBC: FLIGHT THEORY FUNDAMENTALS I

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**7**

AVIC 1800: @CCBC FLIGHT THEORY FUNDAMENTALS II

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**7**

AVIC 2000: @CCBC: ATC FLIGHT FUNDAMENTALS

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**1**

AVIC 2350: @CCBC: AIR TRAFFIC CTRL PROCEDURES

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIC 2380: @CCBC: FACILITY RATING II

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**5**

AVIC 2390: @CCBC: FACILITY RATING

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**6**

AVIC 2470: @CCBC: APPROACH CONTROL I

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**4**

AVIC 2480: @CCBC: APPROACH CONTROL II

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**4**

AVIC 2510: @CCBC NON-RADAR LAB

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**5**

AVIC 2520: @CCBC NON-RADAR

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**4**

AVIC 2560: @CCBC RADAR LAB

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**5**

AVIC 2580: @CCBC RADAR LECTURE

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**4**

AVIP 1200: @CCBC: FOUND & DEVELOP OF AVIATION

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 1600: @CCBC: PRIVATE PILOT FLIGHT THEORY

THIS COURSE IS TAUGHT OINE THROUGH THE COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**7**

AVIP 1700: @CCBC: PRVT PILOT FLIGHT CERTIFICAT

THIS COURSE IS TAUGHT OINE THROUGH THE COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 1800: @CCBC: INSTRUMENT FLIGHT THEORY

THIS COURSE IS TAUGHT ONLINE THROUGH THE COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**7**

AVIP 1900: @CCBC: INSTRUMENT FLIGHT RATING

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**2**

AVIP 2020: @CCBC: AIRCRAFT ENGINES THEORY

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 2040: @CCBC: AIRCRAFT SYSTEMS THEORY

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 2050: @CCBC: AIRCRAFT ENGINES AND SYSTEMS

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**4**

AVIP 2150: @CCBC: COMMERCIAL FLIGHT THEORY

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**5**

AVIP 2200: @CCBC: COMMERCIAL FLIGHT CERT. I

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 2250: @CCBC: COMMERCIAL FLIGHT CERT II

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 2500: @CCBC: MULTIENGINE FLIGHT RATING

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**1**

AVIP 2600: @CCBC: HUMAN FACTORY THEORY

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 2700: @CCBC: AERODYNAMICS OF FLIGHT

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**3**

AVIP 2750: @CCBC CERT FLIGHT INSTRUCTOR THEORY

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**2**

AVIP 2800: @CCBC: CERT FLT INSTRUCTOR AIRPLANE

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**2**

AVIP 2850: @CCBC: CERT FLT INST - INSTRUMENTS

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**2**

AVIP 2880: @CCBC CERT FLT INST - MULTI-ENGINE

COURSE INSTRUCTED ONLINE BY COMMUNITY COLLEGE OF BEAVER COUNTY (CCBC).

Credit Type	**Fixed**
Credits	**2**

BIOL 1000: LIFE SCIENCE-LAB

The laboratory course will conduct experiments that demonstrate the underlying principles associated with topics presented in BIOL1001, Life Science. This course is designed for students majoring in Radiologic Technology, or consent of instructor and is not open to science majors.

Credit Type	**Fixed**
Credits	**1**

BIOL 1001: LIFE SCIENCE (SLSC)

An introductory course directed toward the development of an answer to the question: What is life? The course explores various life processes and the human person's position in the total scheme. Emphasis is placed on current scientific discoveries. This course is not open to science majors. (SLSC)

Credit Type	**Fixed**
Credits	**3**

BIOL 1002: INTRO TO THE HUMAN BODY:SYSTEMS

This course will explore the basic concepts of human anatomy and physiology of the body systems responsible for movement. Specifically, the structure, function, interrelationships, and control of the skeletal muscle, and nervous systems will be studied. This course is designed for students majoring in dance.

Credit Type	**Fixed**
Credits	**3**

BIOL 1003: GENERAL BIOLOGY I

A presentation of a comprehensive survey of the major area within modern biology with emphasis placed on unsolved problems and the nature of scientific evidence. The course explores the properties of living matter on the molecular, cellular and organismic level. Open to all science majors and non-science majors with a strong interest in biology or a professional need.

Credit Type	**Fixed**
Credits	**3**

BIOL 1004: GENERAL BIOLOGY II

PREREQUISITE: BIOL1003 & BIOL1005 COREQUISITE: BIOL1006
A presentation of a comprehensive survey of the major area within modern biology with emphasis placed on unsolved problems and the nature of scientific evidence. The course explores the properties of living matter on the molecular, cellular and organismic level. Open to all science majors and non-science majors with a strong interest in biology or a professional need.

Credit Type	**Fixed**
Credits	**3**

BIOL 1005: GENERAL BIOLOGY I - LAB

Selected experiments chosen to emphasize principles presented in the General Biology lecture courses.

Credit Type	**Fixed**
Credits	**1**

BIOL 1006: GENERAL BIOLOGY II - LAB

PREREQUISITE: BIOL1003 & BIOL1005 COREQUISITE: BIOL1004
Selected experiments chosen to emphasize principles presented in the General Biology lecture courses.

Credit Type	**Fixed**
Credits	**1**

BIOL 1007: INTRO TO BIOLOGY: BUGS AND

This course is an introduction to the biological sciences for the non-science major that presents fundamental principles of biology through a study of human interactions with microbes, such as bacteria and viruses. Topics will include an explanation of what microbes are, how they are simliar to and different from other living things, where and how they live, and the roles of microbes in making food and beverages, in biotechnology for agriculture, medicine, or pollution control, and in human diseases. Discussion of current topics from the news and hands-on discovery activities will be included. (SLSC)

Credit Type	**Fixed**
Credits	**3**

BIOL 1007H: INTRO TO BIOLOGY: BUGS AND BREW-

This honors course is an introduction to the biological sciences for the non-science major that presents fundamental principles of biology through a study of human interactions with microbes, such as bacteria and viruses. Topics will include an explanation of what microbes are, how they are simliar to and different from other living things, where and how they live, and the roles of microbes in making food and beverages, in biotechnology for agriculture, medicine, or pollution control, and in human diseases. Discussion of current topics from the news and hands-on discovery activities will be included.

Credit Type	**Fixed**
Credits	**3**

BIOL 1015: MICROBIOLOGY FOR HEALTH SCIENCES

The primary effort of this course will be to provide the student with practical and clinically relevant information about microbes through lectures and laboratory exercises. Students will be introduced to basic facts about the structure and life processes of microbes. Major emphasis will be placed on relationships between microbes and humans, causes and diagnosis of microbial diseases, common sources of infections, disease transmission, and the prevention and treatment of infectious diseases. The tools and techniques for handling and identifying microorganisms will be introduced in the laboratory exercises.

Credit Type	**Fixed**
Credits	**3**

BIOL 1015L: MICROBIO FOR HEALTH SCIENCES LAB

Lab for BIOL1015: Microbiology for Health Sciences

Credit Type	**Fixed**
Credits	**1**

BIOL 1023: HUMAN ANATOMY AND PHYSIOLOGY I

A basic course concerned with the structural and physiological processes of the human body. Interdependence of structure and function is stressed to promote better understanding of the entire body environment.

Credit Type	**Fixed**
Credits	**3**

BIOL 1023L: HUMAN ANAT & PHYSIO I LAB

Laboratory for BIOL1023: Anatomy & Physiology I

Credit Type	**Fixed**
Credits	**1**

BIOL 1024: HUMAN ANATOMY AND PHYSIOLOGY II

PREREQUISITE: BIOL1023 The second of two basic courses concerned with the structural and physiological processes of the human body. Interdependence of structure and function is stressed to promote better understanding of the entire body environment. Lecture and laboratory courses.

Credit Type	**Fixed**
Credits	**3**

BIOL 1024L: HUMAN ANAT & PHYSIO II LAB

Laboratory for BIOL1024: Anatomy and Physiology II.

Credit Type	**Fixed**
Credits	**1**

BIOL 1030: BIOLOGY OF AGING

Focusing on adulthood and later life, this course explores the physiological changes, which occur with human aging, adaptation to those changes and the impact of biological changes on psychosocial functioning.

Credit Type	**Fixed**
Credits	**3**

BIOL 2021: COMPARATIVE VERTEBRATE

A comparative study of the structural and functional characteristics of vertebrates tracing the evolution of animals from primitive chordates to mammals. Emphasis is placed on the physical and chemical operations of vertebrates and how these operations contribute to homeostasis. Structural/functional relationships are discussed. Lecture and laboratory courses. PREREQUISITE: BIOL1004 & 1006.

Credit Type	**Fixed**
Credits	**4**

BIOL 2021L: COMPARATIVE VERTEBRATE

Laboratory for BIOL2021: Comparative Vertebrate Anatomy and Physiology I

Credit Type	**Fixed**
Credits	**0**

BIOL 2022: COMPARATIVE VERTEBRATE

PREREQUISITE: BIOL2021 AND BIOL2021L A comparative study of the structural and functional characteristics of vertebrates tracing the evolution of animals from primitive chordates to mammals. Emphasis is placed on the physical and chemical operations of vertebrates and how these operations contribute to homeostasis. Structural/functional relationships are discussed.

Credit Type	**Fixed**
Credits	**4**

BIOL 2022L: COMPARATIVE VERTEBRATE

Laboratory for BIOL20222: Comparative Vertebrate Anatomy and Physiology II

Credit Type	**Fixed**
Credits	**0**

BIOL 2025: MICROBIOLOGY

PREREQUISITE: BIOL1004 AND BIOL1006 An examination of the morphology and physiology of microorganisms with emphasis on their relationship to their environment. Topics include food, water, soil, industrial, and medical microbiology, microbial genetics, and microbial diversity. The laboratory work introduces the student to both the organisms and the techniques necessary to study them. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

BIOL 2025L: MICROBIOLOGY - LAB

Laboratory for BIOL2025 Microbiology

Credit Type	**Fixed**
Credits	**1**

BIOL 2027: AN EXPLORATION OF THE

The Galapagos Island chain, six hundred miles off of the coast of Ecuador, have iconic importance to the development of evolutionary theory and modern biology. This course explores the biology, ecology, and geology of the Galapagos Island chain. It also explores how Charles Darwin's visit to the Galapagos in September and October of 1835 ultimately played a pivotal role in transforming his views on nature. Students "virtually" visit the Galapagos to view the Islands through the eyes of Darwin and modern scientists.

Credit Type	**Fixed**
Credits	**2**

BIOL 3013: GENETICS

PREREQUISITE: BIOL1004 & BIOL1006 A study of the basic principles of heredity including Mendelian, molecular and population genetics. Topics will include the cellular functions that give rise to inherited traits, the genetic basis for evolution, the role of genetics in biotechnology, and the statistical basis for predicting the probability of inheriting certain traits.

Credit Type	**Fixed**
Credits	**3**

BIOL 3014: GENETICS - LAB

Selected experiments will emphasize the principles presented in the lecture course.

Credit Type	**Fixed**
Credits	**1**

BIOL 3015: GENERAL ECOLOGY

PREREQUISITE: BIOL1004 A general ecology course studying ecosystem and population dynamics. Application of these concepts is made to aquatic and terrestrial ecosystems including current environmental problems. Fieldwork is an integral part of this course. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**4**

BIOL 3015L: GENERAL ECOLOGY - LAB

Laboratory for BIOL3015 General Ecology

Credit Type	**Fixed**
Credits	**0**

BIOL 3026: CELL BIOLOGY

PREREQUISITE: BIOL1004 AND BIOL1006 A survey course in cell biology. The ultra structure of the Eukaryotic plant and animal cell are examined and related to cell function. Special emphasis is placed on membrane structure and functions.

Credit Type	**Fixed**
Credits	**3**

BIOL 3028: SPECIAL TOPICS IN BIOLOGY:

PREREQUISITE: BIOL4019 SP19: Immunology II: Immune Responses builds upon a foundational understanding of components of the immune system, modes of immune responses and an overview of complex immune responses. In this more advanced course, we will delve more deeply into the complexities and interactions of immune responses including defenses against microbial infections and cancers, autoimmune diseases, immunological tolerance and tissue rejection, and allergies and other hypersensitivity reactions. BIOL4019 Immunology, or an equivalent introductory immunology course, is a prerequisite for this course.

Credit Type	**Fixed**
Credits	**2**

BIOL 3029: CLINICAL SCIENCE (CHEM3029)

This non-laboratory course provides the background needed to test for increases and decreases in various body enzymes, proteins, electrolytes, cell types, etc. which occur in the body during the disease process. The course deals with the causes of false positives and negatives in various clinical tests. It also provides for basis for interpretation of test results and for indicators of additional testing. Cross-listed with CHEM3029

Credit Type	**Fixed**
Credits	**3**

BIOL 3032: VERTEBRATE EMBRYOLOGY

Topics include gametogenesis, fertilization, cleavage, gastrulation and the early development of organ systems in vertebrates. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**4**

BIOL 3032L: VERTEBRATE EMBRYOLOGY - LAB

Laboratory for BIOL3032 Vertebrate Embryology

Credit Type	**Fixed**
Credits	**0**

BIOL 3036: BIOCHEMISTRY I (CHEM3036)

PREREQUISITE: CHEM2015L AND CHEM2015 An introduction to the biochemical metabolism of the living cell. Cellular structure, macromolecules, metabolic pathways, energy transformations, regulatory mechanisms and molecular genetics are discussed. Cross-listed with CHEM3036

Credit Type	**Fixed**
Credits	**3**

BIOL 3037: BIOCHEMISTRY I - LAB (CHEM3037)

An introduction to current biochemical techniques including thin layer and column and gas chromatography, electrophoresis, spectrophotometry, and DNA technology.Cross-listed with CHEM3037

Credit Type	**Fixed**
Credits	**1**

BIOL 3038: BIOCHEMISTRY II (CHEM3038)

A continuation of BIOL3036. The course covers advanced aspects of macromolecular structure, regulatory enzymes, intermediary metabolism (to include photosynthesis, biological oxidation and the chemosmotic theory, metabolic control mechanisms), signal transduction and hormonal regulation of metabolism, and molecular aspects of the nucleic acids and genetic engineering.Cross-listed with CHEM3038

Credit Type	**Fixed**
Credits	**3**

BIOL 3045: PATHOGENIC MICROBIOLOGY

PREREQUISITE: BIOL2025 AND BIOL2025L This course is an examination of how microbes cause disease, particularly in humans. The course focuses on the basic principles of pathogenesis and provides examples of the disease process caused by certain bacteria, viruses, fungi and protozoa.

Credit Type	**Fixed**
Credits	**2**

BIOL 3050: POPULATION GENETICS AND

This course is designed to provide students with a general introduction to population genetics, which examines the interaction of basic evolutionary processes (including, but not limited to, mutation, natural selection, genetic drift, inbreeding, recombination, and gene flow) in determining the genetic composition and evolutionary trajectories of natural and theoretical populations.

Credit Type	**Fixed**
Credits	**3**

BIOL 4017: BioSOLVE I with Lab

PREREQUISITE: BIOL1006, BIOL1004, CHEM1004, CHEM1002 The BioSOLVE (Biology Student Operated Laboratory Venture and Experience) series of courses is designed to train students in all aspects of authentic laboratory research, combining service-learning with novel research focused on addressing a specific community problem. BioSOLVE I serves as an introductory phase, similar to the training period of a new employee in a research laboratory. In this course, students will explore the role of biologists in solving community and global issues, study and experience scientific collaborations, learn the theory behind relevant laboratory methods, develop proficiency in laboratory techniques, practice skills such as note-taking, data processing, and scientific writing, and participate in service-learning related to the research project.

Credit Type	**Fixed**
Credits	**4**

BIOL 4018: BIOSOLVE II with Lab

PREREQUISITE: BIOL4017, GRADE OF B OR BETTER The BioSOLVE (Biology Student Operated Laboratory Venture and Experience) series of courses is designed to train students in all aspects of authentic laboratory research, combining service-learning with novel research focused on addressing a specific community problem. The BioSOLVE program consists of two semesters: BioSOLVE I serves as the introductory training phase similar to that of a new employee in a research laboratory, and BioSOLVE II mimics the ongoing work of a trained employee. In BioSOLVE II, students further study the role of biologists in addressing community and global challenges, build on the scientific collaborations started in BioSOLVE I, and continue participating in service-learning related to the research project. The main focus of BioSOLVE II will be to perform the laboratory research for which students were trained in BioSOLVE I, including note-taking, data processing, scientific writing, and communication of results to collaborators. The course includes both lecture and laboratory components.

Credit Type	**Fixed**
Credits	**2**

BIOL 4019: IMMUNOLOGY

PREREQUISITE: BIOL1004, CHEM2004, BIOL1006 This course involves the description and development of the immune system, which includes the chemical, molecular, and cellular basis of immune reactions. The genetic and chemical control of the immune response is a recurrent theme of the course. Major topics covered in the course include specific immunities, types of hypersensitivity, autoimmunity, transplantation and rejection and immune disorders and deficiencies.

Credit Type	**Fixed**
Credits	**3**

BIOL 4020: IMMUNOLOGY - LAB

PREREQUISITE: BIOL4019 This course introduces laboratory techniques in immunology.

Credit Type	**Fixed**
Credits	**1**

BIOL 4030: MOLECULAR BIOLOGY

PREREQUISITE: CHEM2016L, BIOL1004, BIOL1006, CHEM2016 Molecular Biology is an introduction to the study of selected biological processes from a molecular perspective. Both eukaryotes and prokaryotes will be included. The molecular basis of the biosynthesis of macromolecules, intercellular and intracellular communication, genetics, immunology, infectious diseases and cancer will be discussed.

Credit Type	**Fixed**
Credits	**3**

BIOL 4031: MOLECULAR BIOLOGY - LAB

Molecular Biology Laboratory is an introduction to current molecular biology techniques including DNA and RNA extraction from cells, recombinant DNA cloning, electrophoresis and nucleic acid hybridizations (Southern blots and Northern blots), polymerase chain reaction and DNA sequencing. A project-based approach will be used. Both eukaryotes and prokaryotes will be studied.

Credit Type	**Fixed**
Credits	**1**

BIOL 4051: INTERNSHIP I - BIOLOGY

A field experience in which the student works under the direction of a professional in an area related to biology. The student must select a faculty member from the Division of Sciences to serve as the academic supervisor. Students are required to complete 45 hours of field/academic work for each credit hour. The academic supervisor will determine the proportion of fieldwork and academic work requirements. A maximum of 4 credit hours may be used as biology elective credit.

Credit Type	**Variable**
Credits	**1-6**

BIOL 4052: INTERNSHIP II - BIOLOGY

A field experience in which the student works under the direction of a professional in an area related to biology. The student must select a faculty member from the Division of Sciences to serve as the academic supervisor. Students are required to complete 45 hours of field/academic work for each credit hour. The academic supervisor will determine the proportion of fieldwork and academic work requirements. A maximum of 4 credit hours may be used as biology elective credit.

Credit Type	**Variable**
Credits	**1-6**

BIOL 4056: DIRECTED RESEARCH - BIOLOGY

An individual investigation in the student's field of interest carried out under the supervision of a faculty member in the Division of Sciences. The student is responsible for defining a problem, planning a course of investigation and reporting his/her results in a scientific paper. A maximum of 4 credit hours may be used as biology elective credit.

Credit Type	**Variable**
Credits	**1-4**

BIOL 4057: INDEPENDENT STUDY - BIOLOGY

This course is designed to allow students to pursue advanced topics in biology or to study an area of biology in more depth. A member of the Division of Sciences must serve as the mentor for the study, and will, together with the student, outline a course of study. Regularly scheduled biology courses may not be taken as Independent Study. A maximum of 4 credit hours may be used as biology elective credit.

Credit Type	**Variable**
Credits	**1-4**

BIOL 4059: SEMINAR IN BIOLOGY

PREREQUISITE: CHEM1002 AND BIOL1004 The course consists of meetings for discussion of special topics selected from various areas of scientific investigation of recent or historical origin. Reports are given on results of literature studies.

Credit Type	**Fixed**
Credits	**2**

CASA 1001: REDHAWK READY: ACADEMIC SUCCESS

REQUISITE: FRESHMEN, SOPHMORE or JUNIORS ONLY. In this course, students will create their plan for academic success at the college level. To establish a solid foundation for the assignments and activities, the course first guides students through academic self-reflection and an exploration of different learning preferences. The course's exercises give students the opportunity to utilize best practices for four areas critical to college-student success: time management, note-taking, study skills and exam prep/test-taking. Students will also create a SMART goal to guide their semester and monitor their GPA at Midterm. This course is hybrid, as students must meet with the instructor three times – either in-person or virtually – to successfully complete the course. FORMERLY coded as SASS 1001.

Credit Type	**Fixed**
Credits	**1**

CFST 2010: SURVEY OF HELPING PROFESSIONS

PREREQUISITE: PSYC1021 This course will provide an overview of policies and legislation that directly impact the functioning of parents and their children in the U.S. Some of the topics to be covered include changes in the welfare system, aid to dependent children, immigration policies, and availability of health care.

Credit Type	**Fixed**
Credits	**3**

CFST 3025: CONTEMPORARY FAMILY STYLES

PREREQUISITE: PSYC1021, PSYC2022, PSYC2040 This course examines marriage and family systems across the lifespan from the perspective of human development. It introduces students to historical perspectives on families, as well as the diversity of emergent family styles, including single parenthood, cohabitation, divorce, and remarriage in the context of the latest psychological research.

Credit Type	**Fixed**
Credits	**3**

CFST 4052: Child & Family Studies Internship II

Credits	**3**

CHEM 1001: GENERAL CHEMISTRY I

A study of the basic principles governing matter, energy and matter-energy interaction. Topics include atomic structure, bonding theory, aggregated states of matter, stoichiometry, thermodynamics, chemical kinetics, chemical equilibrium and electrochemistry.

Credit Type	**Fixed**
Credits	**3**

CHEM 1002: GENERAL CHEMISTRY II

PREREQUISITE: CHEM1001 A study of the basic principles governing matter, energy and matter-energy interaction. Topics include atomic structure, bonding theory, aggregated states of matter, stoichiometry, thermodynamics, chemical kinetics, chemical equilibrium and electrochemistry.

Credit Type	**Fixed**
Credits	**3**

CHEM 1003: GENERAL CHEMISTRY I - LAB

A series of experiments related to the content of CHEM1001 emphasizing laboratory techniques and familiarization with basic laboratory equipment. Open to all science majors and non-science majors with a strong interest in chemistry or a professional need.

Credit Type	**Fixed**
Credits	**1**

CHEM 1004: GENERAL CHEMISTRY II - LAB

PREREQUISITE: CHEM1003 A series of experiments related to the content of CHEM1002, emphasizing laboratory techniques and familiarization with basic laboratory equipment. Open to all science majors and non-science majors with a strong interest in chemistry or a professional need.

Credit Type	**Fixed**
Credits	**1**

CHEM 1006: INTRO TO CHEMISTRY:BRAVING THE ELEM

This course, designed especially for the non-science major, explores fundamental aspects of chemistry in a variety of familiar and often newsworthy contexts. Applications to environmental problems, plastics and polymers, alternative energy sources, and the chemistry of nutrition are some of the facets of this important science. A variety of topics will allow students to investigate chemical phenomena. No prior knowledge of chemistry is expected. (SLSC)

Credit Type	**Fixed**
Credits	**3**

CHEM 1006H: INTRO TO CHEMISTRY HONORS

This course, designed especially for the non-science major, explores fundamental aspects of chemistry in a variety of familiar and often newsworthy contexts. Applications to environmental problems, plastics and polymers, alternative energy sources, and the chemistry of nutrition are some of the facets of this important science. A variety of topics will allow students to investigate chemical phenomena. No prior knowledge of chemistry is expected. Honors Institute Course.

Credit Type	**Fixed**
Credits	**3**

CHEM 1007: PRINCIPLES OF CHEMISTRY I

An introduction to the basic principles of general, organic and biochemistry. The principles are related to living systems including the properties and metabolism of proteins, carbohydrates, lipids and nucleic acids. Lecture and laboratory course. (SLSC)

Credit Type	**Fixed**
Credits	**3**

CHEM 1008: PRINCIPLES OF CHEMISTRY I - LAB

Laboratory for CHEM1007 Principles of Chemistry I

Credit Type	**Fixed**
Credits	**1**

CHEM 1011: HEALTH ESSENTIALS IN CHEMISTRY

This course provides an introduction to the general principles of chemistry and biochemistry in a health-oriented manner. Students will be exposed to the basic laws governing molecules and their interactions, which will be applied to processes in the body. Students will also be introduced to macromolecule structure and function with an emphasis on health and disease states. The culmination of the course will be application of each of these principles to metabolism in the body.

Credit Type	**Fixed**
Credits	**3**

CHEM 1017: PRINCIPLES OF CHEMISTRY II

PREREQUISITE: CHEM1007 This course provides an introductory survey of biochemistry, along with biomedical applications. Important biomolecules such as hemoglobin will be discussed, with an emphasis on correlating structure with function. A discussion of intermediary metabolism follows, including an introduction to inborn errors of metabolism. The course concludes with a discussion of molecular including potential biomedical application.

Credit Type	**Fixed**
Credits	**3**

CHEM 1018: PRINCIPLES OF CHEMISTRY II - LAB

PREREQUISITE: CHEM1008 Laboratory for CHEM1017 Principles of Chemistry II

Credit Type	**Fixed**
Credits	**1**

CHEM 1090: INTRO TO CHEM SCHOLAR (MATH1090)

This course Provides students with the opportunity to meet and feel comfortable with other STEM students thus providing a necessary safety net for undergraduate success. This course will introduce the Peer-Led Team learning approach utilized in the sciences. Students will be exposed to essential tools necessary for a successful undergraduate and postgraduate career including but not limited to: computational math, coding, instrument interface, data analysis, reports, and presentations. Cross-listed with MATH1090

Credit Type	**Fixed**
Credits	**1**

CHEM 2013: INTRO TO RESEARCH IN CHEMISTRY

This course provides an opportunity for a student to gain a high degree of proficiency with a particular laboratory procedure or instrument. The student will learn to optimize experimental parameters, refine existing laboratory procedures, and/or develop new applications. A maximum of 4 credit hours may be used as chemistry electives.

Credit Type	**Fixed**
Credits	**1-4**

CHEM 2015: ORGANIC CHEMISTRY I

PREREQUISITE: CHEM1002 A study of the classification and characterization of organic compounds, their preparation, properties and reactions. The application of modern organic theories to these subjects is stressed. Topics include nomenclature, bond theory, stereochemistry, synthesis, mechanisms, and structure determination by instrumental methods. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

CHEM 2015L: ORGANIC CHEMISTRY I - LAB

Laboratory for CHEM2015

Credit Type	**Fixed**
Credits	**1**

CHEM 2016: ORGANIC CHEMISTRY II

PREREQUISITE: CHEM2015 A study of the classification and characterization of organic compounds, their preparation, properties and reactions. The application of modern organic theories to these subjects is stressed. Topics include nomenclature, bond theory, stereochemistry, synthesis, mechanisms, and structure determination by instrumental methods. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

CHEM 2016L: ORGANIC CHEMISTRY II - LAB

PREREQUISITE: CHEM2015L Lab for CHEM2016 Organic Chemistry

Credit Type	**Fixed**
Credits	**1**

CHEM 3011: ANALYTICAL CHEMISTRY I

PREREQUISITE: CHEM1002 A study of the application of theoretical principles to quantitative analysis. The concept of chemical equilibrium is thoroughly discussed. Current analytical techniques are presented both in lecture and laboratory. Topics include the theory and practice of gravimetric analysis, volumetric analysis, spectrophotometric analysis and gas chromatography. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

CHEM 3011L: ANALYTICAL CHEMISTRY I - LAB

Laboratory for CHEM3011 Analytical Chemistry I

Credit Type	**Fixed**
Credits	**1**

CHEM 3012: ANALYTICAL CHEMISTRY II: INSTR METH

The fundamental principles and instrumentation used in optical spectroscopy, chromatography, nuclear magnetic resonance spectrometry, mass spectrometry, and electroanalytical chemistry are explored. Practical aspects such as data acquisition and analysis, operating characteristics, sensitivity and selectivity of instrumentation used by physical and biological scientists are examined. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

CHEM 3012L: ANALYTICAL CHEMISTRY II - LAB

Laboratory for CHEM3012 Analytical Chemistry II

Credit Type	**Fixed**
Credits	**1**

CHEM 3015: POLYMER CHEMISTRY

PREREQUISITE: CHEM2016 A lecture course designed as an introduction to the field of polymer science from its origins to its place in current chemical research. Content will include the synthesis and physical chemistry of the important polymer types, key concepts of macromolecular science, and the role of the journal and patent literature in polymer related research and engineering.

Credit Type	**Fixed**
Credits	**3**

CHEM 3017: INTRO TO BIOMATERIALS

PREREQUISITE: CHEM2015 Biomaterials is a term used to indicate materials of which implants, extracorporeal devices, and many disposables are composed. Over the past two decades, significant advances have been made in the development and use of medical, dental and other health care related devices. This course discusses the fundamental chemical and morphological principles, physical/mechanical testing, properties of modern materials, their syntheses, clinical effects of material/tissue interactions, and government certification requirements of biomaterials.

Credit Type	**Fixed**
Credits	**3**

CHEM 3024: ENVIRONMENTAL CHEMISTRY

Environmental chemistry is a study of the principles of chemistry as applied to evaluating, understanding, modeling, predicting, and assisting in the correction of adverse anthropologic environmental interactions. Aspects to be considered include sources, reactions, transport, effects and fates of selected chemical species in various environmental media (water, oil, air, etc.) and the effects of both natural and anthropologic interactions.

Credit Type	**Fixed**
Credits	**3**

CHEM 3026: INORGANIC CHEMISTRY

PREREQUISITE: CHEM2015 This course addresses structure and bonding in inorganic compounds, with an emphasis on the transition metals. It includes an introduction to group theory and related symmetry studies. The spectroscopy of inorganic compounds is also explored. A discussion of semiconductors is included.

Credit Type	**Fixed**
Credits	**3**

CHEM 3028: SPECIAL TOPICS IN CHEMISTRY:

A collection of courses covering a broad range of subjects of special interest. Topics may include: computer applications, environmental topics, ecological applications, optics, photochemistry and photophysics, laboratory instrumentation, and other topics as needed.

Credit Type	**Fixed**
Credits	**3**

CHEM 3029: CLINICAL SCIENCE (BIOL3029)

This non-laboratory course provides the background needed to test for increases and decreases in various body enzymes, proteins, electrolytes, cell types, etc. which occur in the body during the disease process. The course deals with the causes of false positives and negatives in various clinical tests. It also provides for basis of interpretation of test results and for indicators of additional testing. Cross-listed with BIOL3029

Credit Type	**Fixed**
Credits	**3**

CHEM 3031: ADVANCED TOPICS IN INORGANIC

PREREQUISITE: CHEM3026 This course is intended for chemistry majors and is designed to prepare students for further research in inorganic chemistry, materials science, nanotechnology, renewable energy, or more generally, employment in physical or materials science fields. The course content will include advanced concepts in structure, bonding, chemical/physical properties, and characterization of inorganic compounds, the understanding of which is central to the study of all areas of chemistry.

Credit Type	**Fixed**
Credits	**3**

CHEM 3036: BIOCHEMISTRY I (BIOL3036)

PREREQUISITE: CHEM2015 AND CHEM2015L An introduction to the biochemical metabolism of the living cell. Cellular structure, macromolecules, metabolic pathways, energy transformations, regulatory mechanisms and molecular genetics are discussed. Cross-listed with BIOL3036

Credit Type	**Fixed**
Credits	**3**

CHEM 3036H: BIOCHEMISTRY I - HONORS

An introduction to the biochemical metabolism of the living cell. Cellular structure, macromolecules, metabolic pathways, energy transformations, regulatory mechanisms and molecular genetics are discussed.

Credit Type	**Fixed**
Credits	**3**

CHEM 3037: BIOCHEMISTRY I - LAB (BIOL3037)

An introduction to current biochemical techniques including thin layer and column and gas chromatography, electrophoresis, spectrophotometry, and DNA technology.

Credit Type	**Fixed**
Credits	**1**

CHEM 3038: BIOCHEMISTRY II (BIOL3038)

PREREQUISITE: CHEM3036, BIOL3036, CHEM3036H An introduction to current biochemical techniques including thin layer and column and gas chromatography, electrophoresis, spectrophotometry, and DNA technology. Cross-listed with BIOL3038

Credit Type	**Fixed**
Credits	**3**

CHEM 3039: BIOCHEMISTRY II - LAB

A continuation of laboratory techniques from CHEM/BIOL3037, this course will introduce students to new technologies being implemented in biochemistry laboratories with a special focus on spectroscopy and deciphering two-dimensional structure as well as cellular responses to external stimuli. The course emphasizes sound experiment design, lab proficiency, and data collection and analysis.

Credit Type	**Fixed**
Credits	**1**

CHEM 3050: FLUORESCENCE THEORY AND

PREREQUISITE: MATH1033 AND CHEM2016 This course will introduce the principal theories of fluorescence as well as encompass theory and application of topics utilized in research laboratories through lecture and hands-on experimentation.

Credit Type	**Fixed**
Credits	**2**

CHEM 4032: PHYSICAL CHEMISTRY I

PREREQUISITE: CHEM2016 A study of the physical properties of matter, the structure of matter and the theories of chemical interactions. Topics include ideal and real gases, liquids, solids, thermodynamics, chemical equilibria, phase equilibria, chemical kinetics, quantum mechanics, atomic and molecular structure and spectroscopic methods. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

CHEM 4032L: PHYSICAL CHEMISTRY I - LAB

Laboratory for CHEM4032 Physical Chemistry I

Credit Type	**Fixed**
Credits	**1**

CHEM 4033: PHYSICAL CHEMISTRY II

PREREQUISITE: CHEM4032 A study of the physical properties of matter, the structure of matter and the theories of chemical interactions. Topics include ideal and real gases, liquids, solids, thermodynamics, chemical equilibria, phase equilibria, chemical kinetics, quantum mechanics, atomic and molecular structure and spectroscopic methods. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

CHEM 4033L: PHYSICAL CHEMISTRY II - LAB

PREREQUISITE: CHEM4032L Laboratory for CHEM4033 Physical Chemistry

Credit Type	**Fixed**
Credits	**1**

CHEM 4042: PHYSICAL BIOCHEMISTRY

PREREQUISITE: CHEM3038 AND CHEM4032L An in-depth look at the techniques and theories utilized in studying and interpreting the physical chemistry of biomolecules. Topics covered will include biochemical thermodynamics, mass spectrometry, quantum mechanics and spectroscopy, circular dichroism, absorption and emission spectroscopy, NMR, and chemical equilibria involving macromolecules.

Credit Type	**Fixed**
Credits	**3**

CHEM 4051: INTERNSHIP I @

A field experience in which the student works under the direction of a professional in an area related to chemistry. The student must select a faculty member from the Division of Sciences to serve as the academic supervisor. Students are required to complete 45 hours of field/academic work for each credit. The academic supervisor will determine the proportion of fieldwork and academic work requirements. A maximum of 4 credit hours may be used as chemistry electives.

Credit Type	**Variable**
Credits	**1-6**

CHEM 4055: SEMINAR IN CHEMISTRY I

The course consists of meetings for discussion of special topics selected from various areas of scientific investigation of recent or historical origin. Reports are given on results of literature studies. One hour per week.

Credit Type	**Fixed**
Credits	**1**

CHEM 4056: DIRECTED RESEARCH - CHEMISTRY

A research project designed to explore an unanswered question and to contribute to the existing body of knowledge in the field. The student will plan and carry out the project with the assistance of a faculty supervisor. A maximum of 4 credit hours may be used as chemistry elective credit.

Credit Type	**Variable**
Credits	**1-6**

CHEM 4057: INDEPENDENT STUDY - CHEMISTRY

This course is designed to allow students to study advanced topics in chemistry. A member of the chemistry department must serve as the mentor for the study and will, together with the student, outline a course of study. Regularly scheduled chemistry courses may not be taken as Independent Study. A maximum of 4 credit hours may be used as chemistry elective credit.

Credit Type	**Fixed**
Credits	**0-4**

CHEM 4059: SEMINAR IN CHEMISTRY II

The course consists of meetings for discussion of special topics selected from various areas of scientific investigation of recent or historical origin. Reports are given on results of literature studies. One hour per week.

Credit Type	**Fixed**
Credits	**1**

CHEM 4060: FORENSIC CHEMISTRY

PREREQUISITE: CRIM3041 This course focuses on the use of analytical instrumentation to examine materials related to criminal and other investigations. Methods of analyzing trace metals, accelerants, explosives, drugs, alcohol, and other toxic materials will be presented. Sample preparation and analysis according to currently accepted methods will be included. The course will include both a lecture and a laboratory component.

Credit Type	**Fixed**
Credits	**3**

CHEM 4060L: FORENSIC CHEMISTRY - LAB

PREREQUISITE: CRIM3041 Laboratory for CHEM4060 Forensic Chemistry

Credit Type	**Fixed**
Credits	**1**

CMET 1001: HUMAN COMMUNICATION

In this course the student examines human, verbal, non-verbal and visual communication. Through an interactive classroom the student will combine the theory and definitions of the text with their experience to clarify and understand the concepts that make up human communication. In the classroom, writing, making presentations, working in groups, solving problems and applying creativity to the concepts of communication will be some of the ways the students learn and reinforce the subject matter. Written papers, research and computer-mediated-communication further reinforce the concepts of the course and serve as a means of evaluation of the student's understanding and absorption of the material.

Credit Type	**Fixed**
Credits	**3**

CMET 1001H: HUMAN COMMUNICATION - HONORS

n this course the student examines human, verbal, non-verbal and visual communication. Through an interactive classroom the student will combine the theory and definitions of the text with their experience to clarify and understand the concepts that make up human communication. In the classroom, writing, making presentations, working in groups, solving problems and applying creativity to the concepts of communication will be some of the ways the students learn and reinforce the subject matter. Written papers, research and computer-mediated-communication further reinforce the concepts of the course and serve as a means of evaluation of the student's understanding and absorption of the material. Cross-listed with SLSO1008H

Credit Type	**Fixed**
Credits	**3**

CMET 1002: MASS MEDIA AND DIGITAL

PREREQUISITE: CMET1001 The subject matter of this course is the history and development of mass communication. The course will include examining the origin, economics, technology, mode of communication, communication effectiveness, social role and future of a variety of communication media including: newspapers, magazines, books, radio, television, film and computer-mediated-communication.

Credit Type	**Fixed**
Credits	**3**

CMET 2001: COMMUNICATION IN ORGANIZATIONS

This course provides an overview of the interaction of structure, culture, technology, and communication in organizations. Classes will focus on case studies of the structures and culture of new technology organizations and the dynamic encountered when new technology meets old economy culture. Within this course the student will also practice specific communication skills such as preparation for job interviews, performance appraisals, professional presentations, and negotiation.

Credit Type	**Fixed**
Credits	**3**

CMET 2003: COMMUNICATION BETWEEN CULTURES

This course begins with a focus study on communication factors which affect any cross-cultural interpersonal interaction. The students then survey specific differences between U.S. cultural customs and other of countries. Finally, the role of the media in intercultural relations is discussed.

Credit Type	**Fixed**
Credits	**3**

CMET 2004: FUND OF COMMUNICATION FOR DESIGN

The goal of this course is to introduce graphic design majors to career-relevant theories and practices of interpersonal and related mediated communication. Emphasis will be on designer-client and creative-team communication. Course content will include basic communication theory, the roles of non-verbal communication and language in professional communication, building professional relationships, teamwork and brainstorming, conflict management strategies, and cultural influences in design concepts and process. Students will integrate these concepts through class projects, which include writing, speaking, problem-solving and presentations.

Credit Type	**Fixed**
Credits	**3**

CMET 2005: COMMUNICATION THEORY, RESEARCH

PREREQUISITE: CMET1001 This course is an introduction to the application of theory and research to mass communication including Internet communication. In addition, the course provides a starting point for students in understanding and creating a critical perspective on mass communication through the lens of specific theoretical perspectives.

Credit Type	**Fixed**
Credits	**3**

CMET 2012: COMMUNICATION, SPORTS AND

Sports is a global, highly influential industry that ranges from sporting goods to professional and amateur sports organizations and effects populations across national boundaries and cultures. This class focuses on the ways that sport is a communication phenomena which influences how we see and interact within our own cultures and other cultures. In using communication theories, the class will focus on how people enact, produce, consume and organize sport as a primarily communicative activity. This will mean focusing on the ways the mass media discusses and influences the importance of sports within cultures; the ways various myths, metaphors, and narratives influence participants, fans, and media views on the role of sport; the ways small group and organizational communication theories can highlight and analyze relational issues in sport; and how our own language choices influence and reinforce the interaction between sport and culture.

Credit Type	**Fixed**
Credits	**3**

CMET 3002: NEW MEDIA & DIGITAL COMMUNICA TECH

This course deals with the evolution of technology and the use of communications technology for business, entertainment and information. Through readings, discussion, group work and hands-on experience the class examines the social, cultural and economic aspects of communication technology.

Credit Type	**Fixed**
Credits	**3**

CMET 3005: MESSAGE DESIGN AND MEDIA

This course is a broad examination of mass media as message design with an emphasis on understanding the visual, aural and contextual aspects of a variety of communications media such as: film, video, print media, outdoor advertising and web pages. Elements of control in message design, as well as conceptual frameworks in popular culture, will he addressed from still and moving images, to sound, color, texture and text. Message Design will prepare students entering fields of media production to under-stand the inherent meaning of every element of mass media construction.

Credit Type	**Fixed**
Credits	**3**

CMET 3009: SOCIAL MEDIA RESEARCH AND

The goal of this class is to help students understand the significance and meaning of social media to society and culture on both a large scale and on an individual basis. The class will include reading and conducting research on the effectiveness and effects of social media on individuals and on the larger scale of politics, business, education, society and culture. Research methods like surveys and focus groups as well as participant/observation will be used to help students gather data to answer specific questions about the short term and long term effects of social media.The origins, structures and business models of the major social media platforms will be examined along with some of the fringe apps which provide similar services but to smaller, niche audiences. The future of social media, including possible regulations, the changing marketplace, extensive use of artificial intelligence and virtual reality will also be considered.

Credit Type	**Fixed**
Credits	**3**

CMET 3040: SPECIAL TOPICS IN COMMUNICATION,

SP18: Intro to Game Studies - This course offers students an opportunity to explore games from an academic perspective. Students will learn about play and games, from their early roots in history to the multimillion dollar video game and board game industries of today. Through a comprehensive selection of readings from leading game scholars, students will learn how games deliver meaning through narrative and mechanics, explore issues of violence and gender, and understand the streaming and eSports communities growing in the United States and beyond.

Credit Type	**Fixed**
Credits	**3**

CMET 3043: POLITICAL COMMUNICATION AND

PREREQUISITE: ENGL1012 AND ENGL1012H The class will bridge concepts form multiple majors in relation to the upcoming election by focusing on how politicians, special interest groups/organizations, and citizens use communication to influence public policies and the election through debate, advertising, speeches, social networking and other forms of communication. In analyzing the many forms of political communication, students will learn how to become more critical consumers and users of political communication. The course is an elective open to juniors and seniors.

Credit Type	**Fixed**
Credits	**3**

CMET 4001: LEGAL ISSUES OF MEDIA AND

This course will examine the of laws and rules affecting various types of mass communication industries in the United States, i.e., broadcasting, cable communication, the Internet, advertising and journalism. The roles of the public, political leaders, research groups, the Federal Communication Commission (FCC), the Federal Trade Commission (FTC), the First Amendment and the Supreme Court will be examined.

Credit Type	**Fixed**
Credits	**3**

CMET 4002: BROADCASTING, CABLE AND NEW

PREREQUISITE: CMET2005 This course overviews the television, radio and cable television industries and the economic, regulatory, technological and legal forces on them. The course also deals with aspects of production in television, radio and cable programming such as newscasts, interviews, advertising, entertainment and public service programming.

Credit Type	**Fixed**
Credits	**3**

CMET 4005: GAMIFICATION

PREREQUISITE: INQU3007 This course will provide the student with a deep understanding of how a wide variety of games are produced by collaborative teams for purposes as varied as entertainment, training, marketing, sales, business and education. Students will be exposed to game logic, games for learning and training, and gamification concepts for a range of activities. Individual and group projects, research, surveys and simulations will all be major parts of the class learning activities. The social, cultural and economic implications and roles of games today and in the future will be examined.

Credit Type	**Fixed**
Credits	**3**

CMET 4040: BROADCAST NEWS MEDIA

PREREQUISITE: ENGL1012 AND ENGL1012H This course is an overview of television news and the role it plays in society. The course will look at the skills necessary for making a new production successful. It will also examine how a production is structured - maintaining that delicate balancing act of substance versus style..

Credit Type	**Fixed**
Credits	**3**

CMET 4050: SENIOR CAPSTONE

As a part of each Communication, Media, and Technology student's program, they are required to design and complete a focus project in the specific area of their choice. Similar to a Senior Thesis, the focus project should be a capstone for study in Communication, Media, and Technology and bring multiple elements together into a substantial research and/or production project. Individual project design requires faculty approval. Successful evaluation includes the participation of a local professional in the student's chosen area.

Credit Type	**Fixed**
Credits	**3**

CMET 4051: INTERNSHIP I @

A practical work experience in a field setting which deals with communication. The student is given the opportunity to integrate his/her theoretical and practical knowledge under the supervision of professionals in the field of communication. This internship must be taken in the student's track specialization.

Credit Type	**Variable**
Credits	**1-6**

CMET 4052: INTERNSHIP II - COMMUNICATION,

A practical work experience in a field setting which deals with communication. The student is given the opportunity to integrate his/her theoretical and practical knowledge under the supervision of professionals in the field of communication. This internship must be taken in the student's track specialization.

Credit Type	**Variable**
Credits	**1-6**

CMHC 5000: FOU OF CLINICAL MENTAL HEALTH COUNS

This course is required in order to provide the beginning clinical mental health in counseling student with an opportunity to familiarize themselves with counselors and therapists that are employed in various counseling agencies and counseling practices. It is intended to provide the student with a more ealistic orientation to the counseling profession and their academic preparation to enter the profession.

Credit Type	**Fixed**
Credits	**3**

CMHC 5010: COUNSELING ACROSS DIVERSE CULTURES

This course is designed to provide knowledge and skills required of counselors in a multicultural society, to foster personal and professional growth in addition to gaining knowledge of the variety of cultural contexts. Theories and models of multicultural counseling, cultural and disability identity development, and social justice and advocacy will be discussed.

Credit Type	**Fixed**
Credits	**3**

CMHC 5020: SOCIAL SYSTEMS IN COUNSELING

This course is designed to increase counselors' awareness of the variety and complexity of systems, organizations, and groups. An interdisciplinary, social systems and organizatinal development approach will be utilitized to explore and understand system composition, interactions, elements, and processes.

Credit Type	**Fixed**
Credits	**3**

CMHC 5030: ETHICAL, LEGAL, AND PROFESSIONAL

This course will focus on the ethical and legal standards of professional counseling organizations, credentialing bodies and applications in specialized practice areas. Emphasis will be on establishing those personal and professional characteristics that enable the counselor to establish and maintain a therapeutic relationship with clients to facilitate a clear counselor identity and uphold the highest ethical standards.

Credit Type	**Fixed**
Credits	**3**

CMHC 5040: COUNSELING ACROSS THE LIFESPAN

This course will broadly survey developmental theories and concepts and applied knowledge from a lifespan perspective. Beginning with conception and continuing through death, emphasis is placed on personal development, family development, and lifespan issues from a counseling perspective. The conceptual framework of the course is rooted in psychosocial theory, integrates various lifespan theories, and covers various aspects of multiple domains of development including cognitive, social, emotional, moral and physical.

Credit Type	**Fixed**
Credits	**3**

CMHC 5050: GROUP COUNSELING: THEORY & TECH LAB

This course is an introduction to group work and specifically group counseling. It is designed to provide future counselors with opportunities to explore basic theoretical and practical concepts regarding the group counseling process, specifically, the behavioral dynamics of groups; the role, essential skills, techniques and methods of group leadership, as well as the historical and theoretical foundations of group work in community mental health and school settings.

Credit Type	**Fixed**
Credits	**3**

CMHC 5060: MARRIAGE, COUPLES, FAMILIES COUNSEL

This course is an introduction to the field of marriage, couple, and family counseling. An overview of the basic clinical approaches, characteristics, knowledge, and skills required of the counselor in order to provide effective counseling in this area will be reviewed in depth.

Credit Type	**Fixed**
Credits	**3**

CMHC 5070: COUNSELING THEORIES AND THERAPEUTIC

This course will present an introduction to, and working understanding of, the historical, philosophical, social, psychological, cultural, economic, and political implications of the counseling profession's common theoretical orientations, and related clinical techniques.

Credit Type	**Fixed**
Credits	**3**

CMHC 5080: RESEARCH METHODS, DESIGN AND STAT

This course is an introduction to descriptive and inferential statistics. Topics addressed include: basic statistical and research concepts, graphical displays of data, measures of central tendency and variability, standardized scores, normal distribution, probability, hypothesis testing, confidence intervals, sampling distributions, correlation, t-tests, non-parametric tests, and one factor analysis of variance.

Credit Type	**Fixed**
Credits	**3**

CMHC 5090: PSYCHOTHERAPEUTIC ASPECTS OF HUMAN

This course is designed to provide attitudinal training, and counseling experiences for graduate students in the area of human sexuality. This counseling course will address basic concepts of human sexual development and the bio-pyscho-sexual dynamics influencing sexual behavior throughout the life cycle. There will be a focus on sexual problems and dysfunctions, along with appropriate therapeutic treatment. This course is a balance of examining one's own personal sexual values and how they affect the counseling relationship, along with didactic information about human sexuality.

Credit Type	**Fixed**
Credits	**3**

CMHC 6000: CAREER COUNSELING & VOCATIONAL DEV

This course identifies the elements of career related theories and models of career development, counseling, and decision-making. This includes an overview of processes for identifying and using career, avocational, educational, occupational, and labor market information resources, technology, and information systems.

Credit Type	**Fixed**
Credits	**3**

CMHC 6010: COUNSELING PRACTICUM

This course is intended as a multifaceted supervised, tutorial experience during which the student begins to integrate the wealth of knowledge gained in their coursework into the actual counseling profession. Application of theory and the development of counseling skills under supervision is emphasized. This is a direct-contact counseling experienced conducted in a professional counseling organization, system, or agency.

Credit Type	**Fixed**
Credits	**3**

CMHC 6020: DIAGNOSIS AND TREATMENT PLANNING

This course will provide the counseling student with a thorough overview of the current Diagnostic Statistical Manual (DSM). Including theories, models, and strategies for understanding and practicing consultation, record keeping and documentation skills and expectations, and the impact of technology on the counseling profession.

Credit Type	**Fixed**
Credits	**3**

CMHC 6030: CLINICAL SUPERVISION IN COUNSELING

This course will focus on analyzing supervision theories and developing effective techniques to facilitate counselor-in-training development. A variety of models, perspectives, research, and techniques pertaining to the chosen specialty in clinical supervision will be reviewed. An emphasis will be on developing individualized, specialty supervision methodologies in a manner that can then be effectively transferred to practical application in the field of clinical supervision.

Credit Type	**Fixed**
Credits	**3**

CMHC 6040: COUNSELING INTERNSHIP I

The purpose of the internship is to provide the counseling student with an opportunity to develop a formal understanding of the overall role of the counselor. This experience provides supervised activities by a faculty member and licensed professional counselor that are evaluated in such a way to determine the student's potential for success in the profession. Students are required to have a minimum of 300 hours direct client contact, with weekly supervision of 1 hour individual, dyadic or triadic format by an on-site licensed supervisor, with an average 1.5 hours per week group supervision performed by a licensed faculty member. A formal evaluation for fitness to practice is made upon completion of the internship experience.

Credit Type	**Fixed**
Credits	**3**

CMHC 6050: CHILD AND ADOLESCENT COUNSELING

This course focuses on specialized knowledge, skills, and awareness necessary for counseling children and adolescents within individual, group, and family counseling modalities. Basic principles from child and adolescent development will be utilized in the identification, conceptualization, and treatment of developmental issues, as well as more pathological clinical presentations.

Credit Type	**Fixed**
Credits	**3**

CMHC 6060: PSYCHOLOGICAL TESTING

Introduction to basic principles of test theory, construction, and measurement. Topics include reliability, validity, item analysis, as well as other test onstruction considerations. Test interpretation focuses on standardized test scores and factor analysis, survey of general ability tests, achievement tests, personality tests and interest inventories.

Credit Type	**Fixed**
Credits	**3**

CMHC 6070: COUNSELING INTERNSHIP II

This course is a continuation of internship I. The purpose of the internship is to provide the counseling student with an opportunity to develop a formal understanding of the overall role of the counselor. This experience provides supervised activities that are evaluated in such a way to determine the student's potential for success in the profession. The internship experience provides students with the opportunity to: assess and treat clients, follow client progress, keep records, have supervision, attend staff meetings, participate in service training and other professional activities.

Credit Type	**Fixed**
Credits	**3**

CMHC 6080: CRISIS, TRAUMA AND DISASTER COUNSEL

This course explores the nature and experience of trauma and related crises and natural disasters. The course is designed to provide students with an opportunity to practice the techniques of counseling individuals who have been traumatized as well as to intervene appropriately in crisis and disaster situations.

Credit Type	**Fixed**
Credits	**3**

CMHC 6090: ADDICTIONS COUNSELING

This course will examine the theories, techniques and practices of addictive behavior and addictions counseling. The focus of the course will be on understanding addictive process and its relationship to a variety of chemical and behavioral addictions.

Credit Type	**Fixed**
Credits	**3**

CRIM 1001: INTRODUCTION TO CRIMINAL JUSTICE

This introductory course will introduce criminal justice as a system that is an institutional agent of American society. The components of police, courts, and corrections are discussed with the goal of defining their function and purpose and interdependence on one another. The patterns of crime and the processes of the American Criminal Justice System, law enforcement, judicial process, and corrections will be examined. Students will learn the terminology of the field, examine the methods of inquiry used in the field, and learn the objectives, policies and procedures of probation, parole, and prisons as well as some of the issues and problems. CORE CURRICULUM: SOCIAL SCIENCE

Credit Type	**Fixed**
Credits	**3**

CRIM 1002: INTERNATIONAL JUSTICE SYSTEMS

This course introduces and familiarizes the student with the diversity and complexity of a variety of justice systems found throughout the world. Based on history, culture, and other influences, the justice systems of various countries reflect distinctive national priorities, political influences, and forms of government. The debate concerning due process versus crime control is viewed from the international perspective. These issues will be examined through the use of inductive and deductive reasoning. CORE CURRICULUM: GLOBAL PERSPECTIVES

Credit Type	**Fixed**
Credits	**3**

CRIM 1003: UNDERSTANDING THE U.S. CONSTITUTION

This course is an introduction to the U.S. Constitution's role in American society and the philosophical, historical, and political influences on its framers. The course focuses on the structure and content of the Constitution. The course also examines the landmark Supreme Court cases that have shaped American society from 1790 to the present time. Students, through a multimedia approach, will examine those cases and the historical, social, and political factors that were a backdrop to the rulings issued by the Court.(Previously Cross-listed with POLI1003). CORE CURRICULUM: VALUES & ETHICS

Credit Type	**Fixed**
Credits	**3**

CRIM 2006: THE RULE OF LAW

This course, through the integration of legal, historical and political concepts, introduces students to the rule of law ? one of the current governing principles of Western civilization and the historical foundation of that civilization?s rights and liberties ? and its role in the American community. By using the rule of law as a guiding principle, this course insures that students develop a perspective on the community and its relationship to the individual that includes an historical knowledge of both the American and international legal systems, the political and social reasons for making a commitment to be governed by the rule of law, and an understanding of law as an essential pillar of American and Global Communities. Students will be introduced to the, sometimes, conflicting rights and duties of individuals and communities through an examination of selected appellate court cases, which will demonstrate the difficulty in resolving societal issues involving conflict between individuals and communities.

Credit Type	**Fixed**
Credits	**3**

CRIM 2010: INTRODUCTION TO CORRECTIONS

Examines contemporary American correctional policies, and their relationship to the American criminal justice system. The nature of correctional institutions, correctional processes and policies will be presented. Current theories, trends and practices in the treatment of offenders, alternatives to traditional modes of incarceration, and problems and innovations in correctional administration will be discussed. Theories of correctional institutions as centers of rehabilitation or punishment will be examined along with public influences on correctional practices and policy development.

Credit Type	**Fixed**
Credits	**3**

CRIM 2011: INTELLIGENCE ANALYS & PRESENTA TECH

PREREQUISITE: CRIM1001 and ENGL1012 --or-- ENGL1012H This course examines the process used by analysts to develop strategic intelligence. Students will participate throughout the course as a member of a group tasked to complete an estimative project. Students will learn to apply strategic theory to critical national security problems.

Credit Type	**Fixed**
Credits	**3**

CRIM 2012: ANALYSIS OF CRIMINAL JUSTICE

PREREQUISITE: MATH1010 This course is primarily concerned with the ways and means of understanding drawing conclusions from criminal justice data. Students will learn to develop, use and evaluate studies of criminal justice data, and use their work to evaluate the effectiveness of criminal justice activities. Covered will be policy implications of various law enforcement techniques vis-a-vis their effectiveness in both short and long term. Students will work with and critique published criminological research and explore the use of data of a more local nature.

Credit Type	**Fixed**
Credits	**3**

CRIM 2016: POLICE AND SOCIETY

PREREQUISITE: CRIM1001 This course reviews current issues and problems in law enforcement and interrelations with the society-at-large and cultural/ethnic sub-groups. It examines informal exercise of police authority or force, governmental/agency policies, legal requirements, role demands, and conflicts experienced by police officers, and the norms of the police sub-culture. (Previously cross-listed with SOCL2016).

Credit Type	**Fixed**
Credits	**3**

CRIM 2018: PROFESSIONAL RESPONSIBILITY:

PREREQUISITE: ENGL1012, CRIM1001, ENGL1012H This course examines the existent standards, codes, and laws pertaining to the legal and ethical conduct required of professionals working in the criminal justice and national security fields. Theoretical concepts will be explored, but the course will focus on the application of legal and ethical constructs to the everyday behavior of justice system professionals.

Credit Type	**Fixed**
Credits	**3**

CRIM 2030: JUVENILE DELINQUENCY

This course will offer an analysis of Juvenile Delinquency and the juvenile justice system. It will examine the theories of the causes of juvenile crime and the processes of the juvenile justice system. (Previously cross-listed with SOCL2030).

Credit Type	**Fixed**
Credits	**3**

CRIM 3000: CORRECTIONAL COUNSELING

PREREQUISITE: PSYC1021, CRIM1001, ENGL1012, ENGL1012H The evolution of prisons from punishment to rehabilitation is examined with a look at the fundamental beginnings of the penitentiary to modern day institutions with civil and legal rights. This course also examines the purpose and evolution of corrections as an agent of punishment including the death penalty and its history in relation to society. The foremost groups involved in corrections from the Quakers and early Christians to modern groups will be reviewed. The development of probation and parole as alternatives to incarceration will also be examined. The understanding of violent offenders and the utilization of prison counseling will be explored.

Credit Type	**Fixed**
Credits	**3**

CRIM 3005: CONSTITUTIONAL LAW

This course will explore the difficulty in interpreting the meaning of constitutional language. The interpretive role of the U.S. Supreme Court will be studied through an examination of landmark constitutional decisions. The major schools of thought that guide interpretation will also be studied. (Previously CRIM2005 & cross-listed with POLI3005).

Credit Type	**Fixed**
Credits	**3**

CRIM 3010: CRIMINAL LAW

PREREQUISITE: ENGL1012 OR ENGL1012H The basic principles of substantive criminal law will be illustrated. Concepts and patterns of criminal law and procedure will be discussed. The elements of specific crimes will be analyzed through case study. Public policy and the legal principles for determining criminal and civil liability will be considered.

Credit Type	**Fixed**
Credits	**3**

CRIM 3011: RESEARCH METHODS FOR JUSTICE,

An introduction to research techniques. Students will learn to form research questions, to select and carry out appropriate research strategies, and to present findings in a logical, clear and concise way.

Credit Type	**Fixed**
Credits	**3**

CRIM 3012: ENVIRONMENTAL CRIME: LAW, POLICY

PREREQUISITE: CRIM1001 This course exposes students of Criminal Justice and Criminology to the variety of issues involved in the study of environmental crime. Environmental harms associated with the pollution of air, land, and water kill and injure more people than street crimes on an annual or daily basis. Students who complete this course will understand the complexity of environmental crime and how to use the law and investigative skills to address it.

Credit Type	**Fixed**
Credits	**3**

CRIM 3015: SPECIALIZED CRIME SCENE

PREREQUISITE: CRIM1001 This course is designed to instruct the student of the methodologies and techniques used for the photographing of evidence for use in a criminal investigation and the procedures for its introduction and use in a court of law. In addition to learning both basic and more advanced functions of different types of film and digital cameras, the student will be required to identify evidence, photograph and log evidence and defend their procedures in a court room setting.

Credit Type	**Fixed**
Credits	**3**

CRIM 3020: Special Topics in Criminal Justice

Credits	**3**

CRIM 3030: THEORIES OF CRIMINAL DEVIANCE

PREREQUISITE: ENGL1012 An examination of the etiology and major theories of criminality, with special reference to the rational choice, routine activity, biological and psychosocial theories of deviance. This course will examine criminal deviance by analyzing both criminal and victim populations, with particular emphasis on crime typology and the analysis of criminal behavior. The responses of the Criminal Justice System and private security experts to criminal behavior from situational crime prevention techniques to correctional treatment methods are explored and discussed. (Previously cross-listed with SOCL3030).

Credit Type	**Fixed**
Credits	**3**

CRIM 3032: COMMUNITY CORRECTIONS

This course is a study of intermediate punishments conducted in a community environment as alternatives to incarceration. It will examine alternatives to incarceration by means of community-based adult and juvenile programs. Mission, structure and operation of probation and parole agencies as well as the role of the courts and prosecutors are examined. The probation, parole and pardon options are also reviewed. Other options will be examined, including work release programs, halfway houses, prerelease, and restitution-based programs.

Credit Type	**Fixed**
Credits	**3**

CRIM 3034: ENTERPRISE AND TRANSNATIONAL

PREREQUISITE: ENGL1012 AND CRIM1001 The course addresses organized crime in the United States and internationally. It presents organized crime as criminal business ventures that meet the demand of its consumer base and/or engages in activities that provide profits both legal and illicit into the organization. International crime is introduced, demonstrating how organized crime networks transcend national borders, and how individual criminals have learned to use the ease of travel and identity falsification to operate in or conceal themselves from national law enforcement. Law enforcement strategies and their effectiveness are covered.

Credit Type	**Fixed**
Credits	**3**

CRIM 3036: TERRORISM

PREREQUISITE: ENGL1012 OR ENGL1012H This course addresses the historical and current-day development and spread of terrorism. The class investigates the goals of terrorism and the social, political and ideological reasons for the use of terrorism. Counter-terrorist activities and preventive measures are explored. The course will address law enforcement responses to incidents of terrorism.

Credit Type	**Fixed**
Credits	**3**

CRIM 3040: CRIME SCENE INVESTIGATION & FORENSI

PREREQUISITE: ENGL1012, CRIM1001 This course introduces the student to basic and advanced procedures employed by crime scene investigators, with the emphasis on the detection, collection, processing and presentation of physical and testimonial evidence. The course also identifies items commonly found at crime scenes and examines their significance as trace and physical evidence used to link a suspect with a crime. Many aspects of the legal and scientific processing, preserving and documenting a crime scene for court presentation will be examined. Theories of information, observation and interrogation as they relate to crime scene investigation will be examined, as well as the ethics of current investigative procedures utilized by modern law enforcement agencies.

Credit Type	**Fixed**
Credits	**3**

CRIM 3041: CRIME SCENE TO COURTROOM

PREREQUISITE: CRIM3040 AND MINIMUM CUMLATIVE GPA OF 3.3 A comprehensive examination of the application of science to the physical evidence of a crime. Crime scene processing procedures will be linked to the laboratory analysis of physical evidence. The course will also include training in scientific report writing and courtroom testimony, to include a moot court exercise.

Credit Type	**Fixed**
Credits	**4**

CRIM 3042: APPLIED CRIMINOLOGY

This course is designed to examine crime and offender typologies and the investigative and legal methods that can be applied to prevent, resolve, or solve crimes committed by career offenders. An overview of the major theories or crime causation is furnished. An emphasis is placed on choice theory, routine activities theory, routine activities theory and their applied model-situational crime prevention. The topics of crisis negotiation, interpersonal conflict resolution, crime prevention, and informant development are explored and practical exercises are employed to enhance student understanding.

Credit Type	**Fixed**
Credits	**3**

CRIM 3043: COMPUTER CRIME

PREREQUISITE: CRIM1001 A comprehensive examination of computer crime, information systems security and cyber law. The investigative process as applied to the cyber criminal will be emphasized. Statutes specific to cyber crime will be studied. Crime prevention strategies and techniques will be presented and applied using the case study method.

Credit Type	**Fixed**
Credits	**3**

CRIM 3045: CRIMINAL INVESTIGATIONS

PREREQUISITE: CRIM1001, GRADE OF D+ OR BETTER, & JUNIOR OR SENIOR STATUS This course covers the fundamentals of criminal investigation. It concentrates on the essentials of securing a crime scene, modus operandi of perpetrators, sources of information, principles of careful observation and recording interview/interrogation and case preparation.

Credit Type	**Fixed**
Credits	**3**

CRIM 3046: SECURITY MANAGEMENT AND LOSS

This course features an overview of public and private security, including history of private security and asset protection, the role of security in American society, and current industry practices. The course covers the security role in industry, business and government and includes loss prevention, control and risk management. The legal foundations of private security are covered, as is interaction with government law enforcement. Specialization and career opportunities are discussed.

Credit Type	**Fixed**
Credits	**3**

CRIM 3052: ADMINISTRATION OF CRIMINAL

This course examines the principles of management and leadership as they relate to criminal justice organizations. Leadership, planning, and legal concepts are emphasized, and the case study method is employed as an applied learning tool.

Credit Type	**Fixed**
Credits	**3**

CRIM 3054: LAW ENFORCEMENT COMMUNICATIONS

PREREQUISITE: CRIM1001 This course instructs students in the proper methodology of law enforcement communications. Students will be required to conduct interviews, effectively compile investigative notes, and reduce this information to a series of written and oral reports.

Credit Type	**Fixed**
Credits	**3**

CRIM 3063: CRIMINAL BEHAVIOR: LAW & PSYCHOLOGY

This course, through an integration of psychology, criminology, political science and law, examines the role of the outlaw in both our community and global society. Elements of the course include psychological explanations of individual personality development, choice, both rational and thrill-motivated theories of criminality, examination of the role that powerful outlaws have played in our communities, and the rise of deviant individuals who have gained enormous power by capitalizing on the forces of globalization. The course also intertwines the legal means that society has employed to restrict the power of the outlaw in our society and the capacity of individuals to overcome attempts at domination. Cross-listed with PSYC3063

Credit Type	**Fixed**
Credits	**3**

CRIM 3065: NETWORK ANALYSIS AND CRIME MAPPING

PREREQUISITE: CRIM2011 Crime analysis is the systematic examination of multi-faceted crime data. The identification, collection, storage, modification and dissemination of crime data enables law enforcement agencies to identify crime trends, patterns, and modus operandi; advise law enforcement administrators about emerging tactical trends; determine long term strategic trends; and improve operational and administrative effectiveness. Criminal analysts should master the ability to write, brief and disseminate findings to law enforcement stakeholders clearly and concisely. This course will provide an overview of these processes. This course will also provide an understanding of network analysis and visual representations of such analyses. Students will also obtain a basic familiarization with crime mapping and GIS (Geographic Information System) concepts and software designed for graphical presentation and analytical discernment.

Credit Type	**Fixed**
Credits	**3**

CRIM 4012: EMERGENCY PREPAREDNESS AND

This course examines the issues and processes associated with the most critical domains of security management. In particular, the course will focus on risk analysis, security surveys, response planning, and the principles of the all-hazards approach to risk management.

Credit Type	**Fixed**
Credits	**3**

CRIM 4030: COMPUTER FORENSICS INVESTIGATIONS

This course provides a comprehensive examination of the application of computer security techniques to the physical evidence of a crime. Crime scene processing procedures will be utilized in the analysis of physical digital evidence. The course will also include training in report writing and courtroom testimony, to include a moot court exercise.

Credit Type	**Fixed**
Credits	**3**

CRIM 4051: INTERNSHIP I - CRIMINAL JUSTICE

A field course in which the student is actively involved in working with a criminal justice agency or a private security force. The student will meet periodically with a faculty mentor to examine the relationships between theoretical concepts and the field experience. A strong leadership and service-learning component will be integrated into the course.

Credit Type	**Variable**
Credits	**1-6**

CRIM 4055: SENIOR CRIMINAL JUSTICE CAPSTONE

The Senior Capstone course is the final correlating experience of the educational process for all criminal justice majors. Students will apply criminal justice theories and concepts in analyzing the published research concerning a critical issue in criminal justice and writing a comprehensive literature review of the selected issue. The student will also demonstrate, through test performance, the knowledge they have gained from the required courses of the criminal justice curriculum. Students will also participate in a variety of educational activities designed to assist them in obtaining employment in the criminal justice career field.

Credit Type	**Fixed**
Credits	**3**

CRIM 4057: INDEPENDENT STUDY - CRIMINAL

This course is limited to those few students who have demonstrated an unusual level of ability and an intense commitment to a particular area of study.

Credit Type	**Variable**
Credits	**1-3**

CSCI 1002: INTRO TO COMPUTER SCIENCE

This course is an introduction to the field of Computer Science (CS). A scientific foundation of many aspects of CS will be developed upon which more advanced CS courses will build. Technical topics may include: computer design, information processing, algorithm concepts, operating systems, cyber security and networking and the internet. The evaluation of issues such as Artifical Intelligence & Ethics, Internet of Things (IoT), Big Data and Impact of Technology on Social Development Skills may also be included.

Credit Type	**Fixed**
Credits	**3**

CSCI 1010: PROGRAMMING I

PREREQUISITE: CSCI1002 This course introduces the art of algorithm design and problem solving in the context of computer programming. The basic structure and logic of the Java language is presented. Topics covered include data types and operators, control flow, repetition and loop statements, arrays and pointers. Good programming practices will be taught and encouraged.

Credit Type	**Fixed**
Credits	**3**

CSCI 1010L: PROGRAMMING I - LAB

Lab work for CSCI1010 Programming I.

Credit Type	**Fixed**
Credits	**1**

CSCI 1015: VISUAL BASIC PROGRAMMING

This course introduces computer programming in general, and the Visual Basic programming language in particular. Topics covered include data types and operators, control flow, repetition and loop statements, arrays, and structures. The intent is to familiarize the student with the MS Windows Programming environment using Visual Studio and graphical user interfaces using frames, windows, dialog boxes, and common controls. Good programming practices will be taught and encouraged.

Credit Type	**Fixed**
Credits	**3**

CSCI 2010: PROGRAMMING II

PREREQUISITE: CSCI1010. This course is a follow-on to Programming I. Topics covered include; data structures, file input and output, and other advanced object-oriented programming concepts found in Java.

Credit Type	**Fixed**
Credits	**3**

CSCI 2010L: PROGRAMMING II - LAB

Lab work for CSCI2010 Programming II

Credit Type	**Fixed**
Credits	**1**

CSCI 2017: DISCRETE STRUCTURES FOR

PREREQUISITE: MATH1010 Discrete structures, also known as discrete mathematics, lie at the foundation of computer science. The discrete structures studied in this survey course comprise basic logic and proof techniques; sets, relations, and functions; the basics of counting; discrete probability; and graphs and trees.

Credit Type	**Fixed**
Credits	**3**

CSCI 2020: ALGORITHM ANALYSIS

PREREQUISITE: CSCI2010 This course teaches techniques of programming utilizing data structures such as lists, stacks, and queues and algorithmic approaches such as recursion, searching and sorting. These techniques are learned through programming exercises as well as classroom study.N×

Credit Type	**Fixed**
Credits	**3**

CSCI 2025: SYSTEMS PROGRAMMING

PREREQUISITE: CSCI2010 This course will introduce the students to the important systems language,C,and to several topics related to the hardware and software environment. These are issues related to system interfaces and software synchronization provided by operating systems, the linkage of operating system services to application software, and the fundamental mechanisms for computer communications.

Credit Type	**Fixed**
Credits	**3**

CSCI 2025L: SYSTEMS PROGRAMMING - LAB

PREREQUISITE: CSCI2010 This course will provide the hands-on laboratory component to the Systems Programming course which will introduce the students to the important systems language,C,and to several topics related to the hardware and software environment. These are issues related to system interfaces and software synchronization provided by the operating system, the linkage of operating system services to application software, and the fundamental mechanisms for computer communications.

Credit Type	**Fixed**
Credits	**1**

CSCI 2030: ANALOG ELECTRONICS

This is an introductory course of electronics. Students will learn the fundamental principles of electronics circuit chips. Topics to be studied include basic circuit theory, diode applications, Bipolar and Field Effect transistors, operational amplifiers, and basic TTL gates. This course will provide students with both theoretical and practical knowledge necessary to start an understanding of computers and data communaction devices.

Credit Type	**Fixed**
Credits	**3**

CSCI 2033: MECHATRONICS

PREREQUISITES: CSCI1002, CSCI1010/L &PHYS1032/L. This course introduces students to mechatronics, an interdisciplinary field integrating mechanics, electronics, and computing. Emphasizing hands-on applications in robotics and automation, the course covers circuit design, sensors, actuators, microcontroller programming, and feedback control. Students develop and test real-time embedded systems for autonomous robotic applications.

Credit Type	**Variable**
Credits	**3**

CSCI 2033L: MECHATRONICS

CSCI2033L – Mechatronics lab course provides hands-on experience in mechatronics, integrating mechanical systems, electronics, computer control, and embedded systems. Students will apply theoretical concepts from the lecture section to practical projects, focusing on system modeling, circuit design, microcontroller programming, and motion control. The lab emphasizes real-world applications, troubleshooting, and optimization of mechatronic systems.

Credit Type	**Fixed**
Credits	**1**

CSCI 2035: COMPUTER ORGANIZATION AND DESIGN

PREREQUISITE: CSCI2025 This course will introduce students to the function and design of digital computers. Topics covered include: Value representation, ALU structure and operation, simple digital electronics, basic assembly language programming, I/O and bus architectures, and complex processor architectures including virtual memory.

Credit Type	**Fixed**
Credits	**3**

CSCI 2035L: COMPUTER ORGANIZATION & DESIGN LAB

This course will provide the hands-on laboratory component to the Computer Organization & Design course which will introduce the students to digital design and assembly language programming.

Credit Type	**Fixed**
Credits	**1**

CSCI 2055: DATABASE-SYSTEMS THEORY

PREREQUISITE: CSCI1010 This course is designed to present the essential concepts, principles, techniques, and mechanisms for the design, analysis, use, and implementation of computerized database systems. Key information management concepts and techniques are examined: database modeling and representation; information interfaces - access, query, and manipulation, implementation structures, and issues of distribution. The database and information management system technology examined in this course represents the state-of-the-art, including traditional approaches as well as recent research developments. The course should allow the student to understand, use, and build practical database systems. The course is intended to provide a basic understanding of the issues and problems involved in database systems, a knowledge of current practical techniques for satisfying the needs of such a system, and an indication of the current research approaches that are likely to provide a basis for tomorrow's solutions.

Credit Type	**Fixed**
Credits	**3**

CSCI 3028: SPECIAL TOPICS:

This course is designed to prepare interested students for the emerging global standard for entry level software developers, the Software Developer Certification (SDC). The SDC is being created at Carnegie Mellon University, is funded by Kenya through money made available by the World Bank. A number of major international software companies are using the SDC to help in selecting the right people to bring into the employment onboarding process.

Credit Type	**Fixed**
Credits	**1**

CSCI 3032: ELECTRONIC COMMUNICATION

This course will present the fundamental technology of wireless and cable telecommunications. Students will become familiar with modulation/demodulation and noise reduction for high-fidelity electronic and data communications. They will also learn advanced data communication technologies such as digital broadband technology. Transition from electronics (applications of electrons) to photonics (applications of light and photons) is also presented. Hands-on laboratory projects will be conducted in connection with the basic hardware of telecommunication not covered in CSCI2030 and CSCI3030.

Credit Type	**Fixed**
Credits	**3**

CSCI 3040: OPERATING SYSTEMS

PREREQUISITE: CSCI2035 This course is an in-depth study of modern operating systems. Students will learn about the services provided by an operating system, how to use these services and how the services are implemented. Topics covered include: Initialization (boot), Processes, Controlling shared resources, Memory, Bulk storage systems, and Network Communications (TCP/IP) as they relate to the computer operating system.

Credit Type	**Fixed**
Credits	**3**

CSCI 3042: COMPUTER SECURITY

PREREQUISITE: CSCI1010 This course covers fundamental issues and first principles of security and information assurance. The course will look at the security policies, models and mechanisms related to confidentiality, integrity, authentication, identification, and availability issues related to information and information systems. Other topics covered include basics of cryptography (e.g., digital signatures) and network security (e.g., intrusion detection and prevention), risk management, security assurance and secure design principles, as well as e-commerce security. Issues such as organizational security policy, legal and ethical issues in security, standards and methodologies for security evaluation and certification will also be covered.

Credit Type	**Fixed**
Credits	**3**

CSCI 4010: COMPILER DESIGN

Compiler Design is an area of computer science where students learn formal language definitions and grammars. They will ultimately learn how to translate one language into another. This subject has many applications besides just the creation of language compilers!

Credit Type	**Fixed**
Credits	**3**

CSCI 4020: INTRO TO SOFTWARE ENGINEERING

This course is an introduction to field of software engineering. It will combine a range of topics integral to the design, implementation, and testing of a medium-scale software system with the practical experience of implementing such a project as a member of a programmer team.

Credit Type	**Fixed**
Credits	**3**

CSCI 4035: MOBILE APPLICATIONS DEVELOPMENT

PREREQUISITE: CSCI2020 This course will provide a comprehensive introduction to the design and implementation of applications for mobile devices, such as smartphones and tablets using either Android or iOS systems. It will cover the fundamental programming principles, software architecture and user experience considerations underlying mobile software applications and their development environments.

Credit Type	**Fixed**
Credits	**3**

CSCI 4035A: MOBILE APPLICATIONS DEVELOPMENT

PREREQUISITE: CSCI2010 This course will provide a comprehensive introduction to the design and implementation of applications for mobile devices, such as smartphones and tablets using the operating system. It will cover the fundamental programming principles, software architecture and user experience considerations underlying mobile software applications and their development environments.

Credit Type	**Fixed**
Credits	**3**

CSCI 4035I: MOBILE APPLICATIONS DEVELOPMENT

PREREQUISITE: CSCI2010 This course will provide a comprehensive introduction to the design and implementation of applications for mobile devices, such as smartphones and tablets using the operating system. It will cover the fundamental programming principles, software architecture and user experience considerations underlying mobile software applications and their development environments.

Credit Type	**Fixed**
Credits	**3**

CSCI 4040: PRINCIPLES OF PROGRAMMING

PREREQUISITE: CSCI2025 This course provides a general introduction to programming language features and design, with a focus on techniques that will help students to quickly and efficiently learn new programming languages in the future. Current trends and issues in programming languages will be discussed.

Credit Type	**Fixed**
Credits	**3**

CSCI 4042: ADVANCED COMPUTER SECURITY

PREREQUISITE: CSCI3042 This course builds upon the foundational principles students have learned in the introductory Computer Security course. It examines the underlying mechanics of the rapidly expanding and essential role that computer security plays in the digital age. Given the rapidly changing nature of this highly technical field, course topics will focus on current issues and applications. In addition, this course includes practical writing assignments and hands-on advanced technical skill building labs.

Credit Type	**Fixed**
Credits	**3**

CSCI 4045: COMPUTER NETWORKS AND

PREREQUISITE: CSCI2025 This course introduces the fundamentals of computer networking for distributed applications. Topics covered include network architecture, protocols, standards, security and socket programming. The course provides students with the ability to create programs making appropriate use of networked architectures with a specific focus on the Internet.

Credit Type	**Fixed**
Credits	**3**

CSCI 4050: NUMERICAL COMPUTING I

A survey of numerical techniques for numerically solving a variety of mathematical problems with an emphasis on application as opposed to theory. Topics to be covered include: sources of error in numerical computations, solving non-linear equations, solving sets of simultaneous equations, interpolating polynomials, numerical integration and numerical differentiation.

Credit Type	**Fixed**
Credits	**3**

CSCI 4051: NUMERICAL COMPUTING II

Second semester of a survey course in numerical techniques for the numerical solution of a variety of mathematical problems with an emphasis on application as opposed to theory. Topics to be covered include: initial-value problems, partial differential equations, curve fitting and approximation of functions.

Credit Type	**Fixed**
Credits	**3**

CSCI 4052: Computer Science Internship I

Credits	3

CSCI 4055: ADVANCED DATABASE THEORY

PREREQUISITE: CSCI2055 This course is a continuation of Database-Systems Theory. It concentrates on object-oriented database design, object relational design, data warehousing, data marts, and data mining. Emphasis will be placed on modeling languages such as UML, ODMG, as well as ODL and SQL3 standards. Also, Online Analytical Processing and its relationship to data warehousing, data mining, and decision support systems will be discussed.

Credit Type	Fixed
Credits	3

CSCI 4070: INTRO TO ARTIFICIAL INTELLIGENCE

This course will provide an introduction to the fundamental concepts and techniques underlying the construction of intelligent computer systems. Topics covered in the course include: problem solving and search; logic and knowledge representation; planning; uncertain knowledge and reasoning; and machine learning. Formal approaches will support implementation, both through available tools and student-written functions.

Credit Type	Fixed
Credits	3

CSCI 4080: FUNDAMENTALS OF ROBOTICS

This course offers the fundamentals of robotics, covering the basic principles, components, and applications of robots. Students will learn about robot design, programming, and kinematics, sensors, actuators, and control systems, and as well as the ethical and societal implications of robotics. The lab section is designed to provide hands-on experience on robotics system development.

Credit Type	Fixed
Credits	3

CSCI 4080L: FUNDAMENTALS OF ROBOTICS - LAB

CSCI4090L Fundamentals of Robotics Lab is an essential course designed for hands-on robotics related design and development activities for the undergraduate students pursuing a Robotics Minor and individuals seeking a Certificate in Robotics. This course provides hands-on design guidance by applying the knowledge gathered from the CSCI4090 lecture class, which covers comprehensive introduction to the principles, theories, and applications of robotics. Students will gain hands-on experience in programming and controlling robotic systems, preparing them for careers in various industries.

Credit Type	Fixed
Credits	1

CSCI 4098: CS Senior Capstone Experience I

Credits	3

CSCI 4099: CS Senior Capstone Experience II

Credits	3

DNAP 7000: MEDICAL STATISTICS

This course comprises the three major subject areas of a traditional statistics course, namely, descriptive statistics, probability, and inferential statistics. As regards the first two areas, it primarily reviews and reinforces them, although extending them in certain selected respects. the focus of the course is twofold: in extending and deepening the students' knowledge of inferential techniques such as of comparing two means or two proportions, the chi-square test for two-way tables, inference for regression, two-way Analysis of Variance, nonparametric tests, and/or multiple and logistic regression; and in demonstrating relevance of the subject of statistics to the exploration of health and disease. The use of Microsoft Excel and/or statistical software will facilitate the study of practical problems in health and illness care. This course is a three-credit, one-semester course required for DNAP students.

Credit Type	Fixed
Credits	3

DNAP 7001: EVALUATION AND DECISION MAKING

The course is designed to cover the core knowledge and skills involved in program evaluation, provide practical experience in evaluation design, and provide exposure to some of the ethical and philosophical issues current in evaluation research. Course activities will be focused on giving students direct experience in the specific research skills and tools required for effective program evaluation which is critical in the development and maintenance of evidence-based practice.

Credit Type	**Fixed**
Credits	**3**

DNAP 7002: SYSTEMATIC LEADERSHIP I

This course is designed to explore the concept of leadership within the health care system. Content will focus on the nursing leadership role in quality and safety initiatives, information management, patient outcome improvement, and fiscal management. Strategies for creating a culture of quality and safety; application of current technology in information management; and approaches for improvement in patient outcomes will be examined. An overview of health care fiscal management and issues will be investigated. The nursing leadership role in systems thinking and organizational management will be explored.

Credit Type	**Fixed**
Credits	**3**

DNAP 7003: HEALTH POLICY AND HEALTH CARE

This course is designed to provide the student with an overview of the development of health care policy in the United States. The role health professionals play in defining health policies and healthcare reform, and its impact on healthcare delivery systems is explored. The course offers an introduction to economics and policy factors that affect health care systems. A review of relevant economic concepts and topics such as demand for health services, health care provider behavior, implications of insurance strategies, cost containment, health technologies and government regulations will be covered. An overview of health care finance as it relates to health care systems/services is presented and strategies for influencing the regulatory process will be explored.

Credit Type	**Fixed**
Credits	**3**

DNAP 7004: SYSTEMATIC LEADERSHIP II

This graduate course focuses on communication, ethical/legal issues and advocacy as they are applied to complex health care situations. Principles of communication and relationships help the advanced practitioner be an effective team leader and team member in multidisciplinary groups. The exploration of pertinent ethical and legal dilemmas will provide a background for decision making with groups and individuals. Retrieval and synthesis of data insures a basis for evaluating individual and team goals. The transformation of electronic data bases further enrich patient advocacy by applying evidenced based practice to consumer health care information and aligning clinical systems to meet health care benchmarks.

Credit Type	**Fixed**
Credits	**3**

DNAP 7005: TEACHING STRATEGIES IN CLASSROOM

The principles underlying the teaching of adult learners will be examined and applied to classroom and clinical settings. Emphasis will be on the application of practical strategies to plan, conduct, and evaluate educational experiences. Also, innovative teaching strategies, use of media, evaluation techniques, and test construction/evaluation will be addressed.

Credit Type	**Fixed**
Credits	**3**

DNAP 7006: CAPSTONE I

The first capstone course is designed to encourage students to use their critical thinking skills to identify a problem relevant to anesthesia practice, examine the available research evidence pertaining to the identified problem and implement and evaluate a project designed to incorporate the evidence-based theory into clinical practice.

Credit Type	**Fixed**
Credits	**2**

DNAP 7007: CAPSTONE II

This second capstone course builds on Capstone I. Collaboration assessment and planning strategies are utilized to support the proposal development process. The student is guided in the preparation of a project specific to a phenomena related to nurse anesthesia practice in the area of evidence based research.

Credit Type	**Fixed**
Credits	2

DNAP 7008: CAPSTONE III

During the final 2-credit capstone course, the results of this clinically – based scholarly work product will be disseminated through the submission of a written and oral presentation. A secondary gain of this project is to stimulate interest in future scholarly work intended to improve the anesthesia clinical milieu.

Credit Type	**Fixed**
Credits	2

DNAP 7009: MEDICAL PHYSICS

This course correlates the scientific principles necessary for the practice of nurse anesthesia. This course will discuss essential concepts and demonstrate how the scientific concepts relate directly to clinical application in anesthesia. Key topics will include the basics of physics, fluids and vapors, a concentration on gas laws, diffusion, hydrostatics, hydrodynamics, fire, explosives and safety.

Credit Type	**Fixed**
Credits	3

DNAP 7010: PRACTICUM I

The foundation of practicum I will cover basic anesthesia skills in a simulation environment. The focus will be on airway management, positioning, induction, maintenance, and emergence of anesthesia. Other areas examined will include an introduction to the operating room with emphasize on safety, equipment checks, vigilance and prevention of complications.

Credit Type	**Fixed**
Credits	1

DNAP 7011: RESEARCH METHODOLOGY I

This course will provide a comprehensive overview of the research process. Students will gain an understanding in methodology, experimental research design, qualitative & quantitative approaches to data analysis, and the interpretation and evaluation of nursing research. Students are expected to appraise, to identify useful, valid research that can be translated and implemented into evidenced-based practice in clinical nursing practice.

Credit Type	**Fixed**
Credits	3

DNAP 7012: ADV. HUMAN ANATOMY, PHYSIOLOGY

This course provides an advanced, in-depth examination of human anatomy and physiology, emphasizing the complex interrelationships among organ systems. Building upon prior foundational knowledge, students will critically analyze the structural and functional integration of the musculoskeletal, nervous, and cardiovascular systems. A comprehensive exploration of physiological mechanisms in a healthy state will be a foundation for understanding pathological deviations and their implications across the lifespan. Emphasis will be placed on applying current research and evidence-based practice to enhance clinical decision-making.

Credit Type	**Fixed**
Credits	4

DNAP 7013: ADVANCED PHARMACOLOGY I

This course builds upon foundational pharmacological principles, advancing the understanding of drug classifications, focusing on pharmacokinetics, pharmacodynamics, and their clinical implications. Emphasis is placed on the critical evaluation of pharmacologic interventions in diverse patient populations across the lifespan. Students will integrate evidence-based practice to optimize medication management in complex clinical scenarios, addressing physiological variability, co-morbidities, and polypharmacy.

Credit Type	**Fixed**
Credits	3

DNAP 7014: ORGANIC AND MEDICINAL CHEMISTRY

This is a one-semester course in organic chemistry organized around functional groups of compounds. Aspects of organic chemistry pertinent to health, environment, and biochemistry will be discussed. Students are expected to understand the classes of drug molecules and apply their knowledge to anesthetic agents. Other concepts covered will include spatial orientation and geometric, optical and conformational isomerism, which are essential in understanding drug actions in nurse anesthesia clinical practice.

Credit Type	**Fixed**
Credits	**3**

DNAP 7015: BIOCHEMISTRY

This course appraises the chemistry of living organisms. Major topics will include cellular macromolecules; common metabolic pathways of carbohydrates, lipids, and amino acids; energy transformation and respiratory mechanisms. The effects of anesthesia on body fluids, the function of major organs, and on the activity of specialized molecules will also be discussed. Students are expected to understand and apply the biochemical principles to clinical nurse anesthesia practice.

Credit Type	**Fixed**
Credits	**3**

DNAP 7016: PROF ASPECTS OF ANESTHESTHESIA

This course includes an introduction to ethics, legal aspects, psychology, and professional adjustments associated with a career in anesthesia. Wellness and stress management principles to assist the student anesthetist to transition into an advanced practice role will be covered. Topics such as substance abuse and multiculturalism will be analyzed through the lens of anesthesia practice.

Credit Type	**Fixed**
Credits	**3**

DNAP 7017: ADVANCED HEALTH ASSESSMENT

This advanced practice course examines the principles and techniques of comprehensive health assessment across lifespan, with an emphasis on integrating clinical reasoning and evidence-based practice. Students will refine skills in conducting detailed health histories, performing systematic physical examinations, and interpreting non-invasive diagnostic data to support complex clinical decision-making within the scope of advanced nursing practice. Special attention is given to the unique needs of diverse populations to promote equitable and culturally responsive care.

Credit Type	**Fixed**
Credits	**3**

DNAP 7018: ANESTHESIA PRINCIPLES I

This course examines the perioperative management of patients undergoing surgical, diagnostic and therapeutic procedures. This course includes: patient assessment, preparing the anesthetizing site, setting up routine and specialized monitoring equipment, analyzing fluid and electrolyte balance requirements and administering pharmacologic agents necessary for induction, maintenance, and emergence from anesthesia. Care planning and documentation is required for this course.

Credit Type	**Fixed**
Credits	**3**

DNAP 7019: SCHOLARLY PROJECT I

This first scholarly project course is an introduction to the eight essentials of the Doctor of Nursing practice in preparation for forthcoming application of evidenced-based practice and leadership. Students will utilize critical thinking skills to identify a problem, formulate a PICOT question, relate a supporting theoretical framework, conduct a literature search, and compose an appraisal and synthesis of existing evidence relevant to nurse anesthesia practice.

Credit Type	**Fixed**
Credits	**2**

DNAP 7020: PRACTICUM II

Practicum II introduces concepts of a variety of anesthesia procedures with an emphasis on patients with co-existing diseases and pain disorders. Regional anesthesia techniques including spinal and epidurals will be explored, practiced and implemented into nurse anesthesia clinical practice.

Credit Type	**Fixed**
Credits	**1**

DNAP 7021: NURSING RESEARCH II: EVIDENCE

This second research course is designed to provide the student with the opportunity to apply theoretical concepts and skills derived from the first research course to the development of a thesis or an alternate research activity. The student is assisted in the preparation of a scholarly project specific to a phenomenon related to nursing practice. Particular emphasis is placed on responsibility of participation in scientific inquiry and on adhering to ethics in the design and conduct of research.

Credit Type	**Fixed**
Credits	**3**

DNAP 7022: ADV. HUMAN ANAT, PHYSIO, PATHOPH II

This course is a continuation of Advanced Human Anatomy, Physiology, and Pathophysiology I, providing an in-depth examination of cardiovascular, respiratory, renal, hepatic, and endocrine systems. Students will critically analyze the structural and functional integration of these systems and their role in maintaining homeostasis. A comprehensive review of representative pathophysiological conditions will enhance the application of this knowledge to advanced clinical practice, fostering evidence-based decision-making and improved patient outcomes.

Credit Type	**Fixed**
Credits	**4**

DNAP 7023: ADVANCED PHARMACOLOGY II

This course is a continuation of Advanced Pharmacology I. This course builds upon the foundational concepts introduced in Advanced Pharmacology I, providing an in-depth analysis of pharmacologic agents focusing on pharmacokinetics, pharmacodynamics, and clinical application. Emphasis is placed on medications commonly used in acute and critical care settings, exploring their mechanisms of action, metabolism, and patient-specific considerations. Students will critically evaluate the influence of pre-existing conditions, comorbidities, and polypharmacy on pharmacologic decision-making and develop evidence-based, individualized treatment strategies to optimize patient outcomes.

Credit Type	**Fixed**
Credits	**3**

DNAP 7024: SCHOLARLY WRITING

This course will develop and support the anesthesia student with the knowledge and skills to be successful in articulating concepts and ideas in a logical and scholarly manner without bias throughout their doctoral studies. This course begins by providing some general principles of expository writing, ensuring each student has a clear understanding of APA formatting. Development of strategies to use in achieving professional and effective communication through the written word will be enhanced.

Credit Type	**Fixed**
Credits	**2**

DNAP 7028: ANESTHESIA PRINCIPLES II

This course examines co-existing diseases of patients undergoing abdominal, peritoneal, and musculoskeletal procedures. Other topics explored for effective care planning will include acute and chronic pain management, opioid sparing techniques, evidence-based concepts of Enhanced Recovery After Surgery (ERAS) procedures, and obesity.

Credit Type	**Fixed**
Credits	**3**

DNAP 7029: SCHOLARLY PROJECT II

This second scholarly project course designed to expand on existing evidenced-based practice in nurse anesthesia by utilizing a collaboration assessment with planning strategies to support the proposal development process. Each student is directed in the preparation, implementation and evaluation of a scholarly project specific to a phenomenon related to nurse anesthesia practice relating to evidence-based research. The proposal will be submitted to the Institutional Review Board (IRB) of both the university and appropriate clinical facility.

Credit Type	**Fixed**
Credits	2

DNAP 7030: PRACTICUM III

Practicum III will introduce concepts of complex patients undergoing urgent and emergency procedures in advanced settings such as bronchoscopy, gastroenterology, electrophysiology and cardiac catheterization Labs.

Credit Type	**Fixed**
Credits	1

DNAP 7038: ANESTHESIA PRINCIPLES III

This course examines the perioperative plan for patients undergoing head and neck, pulmonary, and cardiovascular procedures. Other topics covered will include advanced airway management and monitoring techniques.

Credit Type	**Fixed**
Credits	3

DNAP 7039: SCHOLARLY PROJECT III

The third scholarly project course is designed for implementation of the evidenced-based proposal. Data is collected, analyzed, and implemented in a written report submitted to their committee for approval.

Credit Type	**Fixed**
Credits	2

DNAP 7040: PRACTICUM IV

Practicum IV will advance into specialty rotations for patients across the lifespan, which include pediatric, obstetrical, cardiothoracic, neurosurgery and trauma populations. Simulation will be utilized to explore, practice and implement complex situations and regional techniques nurse anesthesia practice.

Credit Type	**Fixed**
Credits	2

DNAP 7048: ADV. ANESTHESIA PRINCIPLES IV

This course examines the advanced perioperative plan of patients across the life span: including obstetric, pediatric, and geriatric populations. Regional anesthesia including epidural and spinal techniques will be explored, practiced, and implemented into nurse anesthesia clinical practice.

Credit Type	**Fixed**
Credits	3

DNAP 7049: SCHOLARLY PROJECT IV

The final scholarly project course will expand on the evidenced-based research with an analysis of results, discussion of conclusions, and compose suggestions for future research. The students will disseminate their findings in an oral defense and a poster presentation to peer and colleagues.

Credit Type	**Fixed**
Credits	2

DNAP 7050: PRACTICUM V

Practicum V will continue with specialty rotations for patients across the lifespan, which include pediatric, obstetrical, cardiothoracic, neurosurgery and trauma populations.

Credit Type	**Fixed**
Credits	2

DNAP 7058: ADV. ANESTHESIA PRINCIPLES V

This course will introduce concepts on the complex patients undergoing advanced procedures such as neurological, trauma, burns and transplants.

Credit Type	**Fixed**
Credits	3

DNAP 7060: PRACTICUM VI

This final advanced practicum course will allow students to implement and, if needed, modify the anesthesia plan of care by continuously assessing the patient?s response to the anesthetic and surgical or procedural intervention for patients across the life span. In addition, students are expected to practice with increasing independence in order to transition into the professional role.

Credit Type	**Fixed**
Credits	2

DNAP 7068: ADV. ANESTHESIA PRINCIPLES VI

This final advanced didactic course will provide a comprehensive review of program concepts in preparation for the National Certification Exam (NCE). Crisis management simulations will be utilized to explore, practice and implement complex situations into nurse anesthesia practice.

Credit Type	**Fixed**
Credits	3

DNPR 7000: HEALTHCARE STATISTICS

The purpose of this course is to read, interpret, and critically evaluate statistics relative to healthcare research. Emphasis on descriptive statistics, population and sampling, statistical testing, and data analysis/application will be included. The use of Microsoft Excel and/or statistical software will facilitate the study of practical problems in healthcare. This course is a three-credit, one-semester (hybrid) course for DNP students .

Credit Type	**Fixed**
Credits	3

DNPR 7001: EVAL & DECIS MAKING FOR HLTH SERVIC

This course is designed to cover the core knowledge and skills involved in program evaluation, provide experience in evaluation design, and provide exposure to some of the ethical and philosophical issues current in evaluation research. Course activities will be focused on giving students hands-on experience in the specific research skills and tools required for effective program evaluation which is critical in the development and maintenance of evidence-based practice.

Credit Type	**Fixed**
Credits	3

DNPR 7002: SYSTEMATIC LEADERSHIP I

This course is designed to explore the concept of leadership within the health care system. Content will focus on the nursing leadership role in quality and safety initiatives, information management, patient outcome improvement, and fiscal management. Strategies for creating a culture of quality and safety; application of current technology in information management; and approaches for improvement in patient outcomes will be examined. An overview of health care fiscal management and issues will be investigated. The nursing leadership role in systems thinking and organizational management will be explored.

Credit Type	**Fixed**
Credits	3

DNPR 7003: HEALTH POLICY & HLTH CARE ECONOMICS

This course is designed to provide the student with an overview of the development of healthcare policy in the United States. The role health professionals play in defining health policies and healthcare reform, and its impact on healthcare delivery systems is explored. The course offers an introduction to economics and policy factors that affect healthcare systems as well as a review of relevant economic concepts and topics such as supply and demand and how they relate to healthcare. The constructs of cost benefit, cost-effective analysis, implications of insurance strategies, cost containment, emerging health technologies, and government regulations are discussed. Global health policy and economics will be explored with an overview of health care finance as it relates to health care systems.

Credit Type	**Fixed**
Credits	3

DNPR 7004: SYSTEMATIC LEADERSHIP II

This course focuses on communication, ethical/legal issues, and advocacy as they are applied to complex health situations. Principles of communication and relationships help the advanced practitioner be an effective team leader and team member in multidisciplinary groups. The exploration of pertinent ethical and legal dilemmas will provide a background for decision making with groups and individuals. Retrieval and synthesis of data insures a basis for evaluating individual and team goals. The transformation of electronic data bases further enriches patient advocacy by applying evidence-based practice to consumer health care information and aligning clinical systems to meet health care benchmarks.

Credit Type	**Fixed**
Credits	**3**

DNPR 7005: EDUC CONCEP & PRACTI IN HIGHER EDUC

This course is designed to prepare the student to incorporate educational strategies and concepts to healthcare and academic programs. Emphasis will be on assessment and evaluation of learners; program development, revision, and evaluation; and the use of educational strategies to facilitate the learning process. Application of leadership, quality improvement, and outcome achievement within a variety of educational settings will be addressed.

Credit Type	**Fixed**
Credits	**3**

DNPR 7006: DOCTORAL PRACTICUM I

Doctoral Practicum I is designed to assist students in using critical thinking skills to identify a topic of interest relevant to nursing practice. Emphasis on formulating a PICO question and extensive analysis of relevant research evidence pertaining to the topic of interest will be included.

Credit Type	**Fixed**
Credits	**3**

DNPR 7007: DOCTORAL PRACTICUM II

Doctoral Practicum II builds on the first research project course and is designed to utilize collaboration, assessment, and planning strategies to support the proposal development process. The student is guided in the data collection and analysis to implement a written report submitted to their committee for approval.

Credit Type	**Fixed**
Credits	**3**

DNPR 7008: DOCTORAL PRACTICUM III

During the final 2-credit component of the research process, the results of this clinically – based scholarly work product will be analyzed and evaluated. The findings will be disseminated through the submission of a written and oral presentation to the clinical dissertation committee. A secondary gain of this project is to stimulate interest in future scholarly work intended to improve the nursing clinical milieu.

Credit Type	**Fixed**
Credits	**3**

DNPR 7024: SCHOLARLY WRITING

This course provides knowledge and skills in articulating concepts and ideas in a logical and scholarly manner without bias. This course begins by providing general principles of scholarly writing, and ensures each student has a clear understanding of APA style. Strategies used in achieving professional and effective scholarly writing will be included.

Credit Type	**Fixed**
Credits	**2**

DSGN 1010: INTRO TO DESIGN STUDIES

This course explores the responsibility of design to shape the human experience. The ubiquitous nature of design will be analyzed through a variety of past and present contexts and as both a social and cultural force. Studio practices will introduce students to visual techniques that will deepen the understanding of the impact design has on shaping the world around us.

Credit Type	**Fixed**
Credits	**3**

DSGN 1013: INTRO TO PHOTOGRAPHY (SLAE)

This course introduces students to the fundamental techniques of photography, including composition, lighting, and exposure. The course will cover the basic functions of smart phones & tablets and software. Images and issues in the History of Photography as well as in contemporary fine-art photographic practice will be explored. Aspects of black-and- white photography and printing will be included but, this is a digital photography course and working in a darkroom is not included. The course culminates in a final project which requires students to display their technical knowledge while creating a visually coherent group of images. Students must provide their own smart phone or tablet or DSLR camera and portable drive to take the course. (SLAE)

Credit Type	**Fixed**
Credits	**3**

DSGN 1015: THE AESTHETIC EXPERIENCE OF

As an element of design, color defines the world around us. We react to it both physically and emotionally throughout our lives. This course will provide students with a broad understanding of color, encourage color awareness, and provide a basis for the creative and confident use of color. (SLAE)

Credit Type	**Fixed**
Credits	**3**

DSGN 2001: THE CREATIVE PROCESS (COMM)

The creative process is the process of change, of development, of evolution in the organization of subjective life â?? whether individually or within a community/society. This course provides students with an interactive educational journey toward the understanding that creative thinking is not an option in todayâ??s world, but a survival skill â?? regardless of academic discipline or career path. Through identiď¬€cation, investigation, application, and analysis of various creative thinking tech-niques, students will gain the knowledge and conď¬€dence required to actively engage in positive approaches for solving problems.

Credit Type	**Fixed**
Credits	**3**

DSGN 2001H: THE CREATIVE PROCESS - HONORS

The creative process is the process of change, of development, of evolution in the organization of subjective life â?? whether individually or within a community/society. This course provides students with an interactive educational journey toward the understanding that creative thinking is not an option in todayâ??s world, but a survival skill â?? regardless of academic discipline or career path. Through identiď¬€cation, investigation, application, and analysis of various creative thinking tech-niques, students will gain the knowledge and conď¬€dence required to actively engage in positive approaches for solving problems.

Credit Type	**Fixed**
Credits	**3**

DSGN 2002: ART IN EVERYDAY LIFE

Students explore visual art as expressed in forms that impact our daily lives. Students will have an appreciation of aesthetic elements in functional form, various design principles, underlying visual communication, and cultural identities as manifested in visual art. The course will enable students to understand that--rather than being an isolated category of objects in a museum--art exists as a meaningful reality in what we see, read, and use.

Credit Type	**Fixed**
Credits	**3**

DSGN 2003: EXPLORING ART (SLAE)

This course consists of directed studio art experiences with a variety of medium/technique, specifically designed for non-art and non-design majors. Students use a range of conceptual approaches for evolution of creativity and artistic skill. (SLAE)

Credit Type	**Fixed**
Credits	**3**

DSGN 2005: INTRODUCTION TO DESIGN AND IMAGE

This course provides an exploration into digital image creation and manipulation. This is an introductory course with no prior design experience necessary. Students will learn and explore the elements and principles of design and the design process. Computer design software (rastor and vector) will be introduced and explored. Students will experience the studio process of creating digital art and design (meeting them at their own level), explore relevant software, use cameras to generate their own imagery, manipulate images, and learn about composition, printing and presenting their work.

Credit Type	**Fixed**
Credits	**3**

DSGN 2010: DESIGN THINKING

Design thinking teaches various research, synthesis, and iterative design techniques which focus on human and user-centered problem solving. Students will learn how to understand and define a design problem in a framework of thinking that inspires solutions generated with informed creativity. Students will grasp various techniques for brainstorming, prototyping, and problem solving that focus the users? needs to the core of the design process.

Credit Type	**Fixed**
Credits	**3**

DSGN 4055: CAPSTONE IN DESIGN STUDIES

This course centers on the development of a capstone project. In consultation with faculty and peers, students will create a content-driven project that demonstrates their ability to identify, research, self-author and implement within the identified problem space. The outcome can be solution oriented or a scholarly analytical work about design. The course will culminate with a final professional presentation.

Credit Type	**Fixed**
Credits	**3**

EAPP 0100: ORAL ACADEMIC DISCOURSE

This course introduces pronunciation strategies and techniques to comprehend English speech and improve the clarity and fluency of spoken English. During the course, students develop their oral communication skills for speech talks and pair/group interactions in academic and professional settings. The course focuses on prosodic features such as phrase stress, intonation, connected speech phenomena, and rhythm as well as individual consonant and vowel sounds. The students also develop their listening comprehension of academic talks through activities that bring awareness of how speakers use prosodic and discourse markers to convey their intended meanings and highlight key information..

Credit Type	**Fixed**
Credits	**6**

EAPP 0101: CRITICAL DISCUSS. OF ACADEMIC TEXTS

This course offers advanced-level readers intensive practice with reading and writing tasks in various writing genres involving familiar and unfamiliar topics. It provides ample opportunities to develop students' reading speed, vocabulary-building and reading strategies, and their ability to comprehend college content reading materials in depth and independently. Purposefully selected reading tasks enhance students' understanding of complex structures and help improve their summarizing, synthesizing, and inferencing skills. Students also engage in critical oral and written discussions of college texts, thereby also enhancing their critical thinking, argumentative, written, and oral skills.

Credit Type	**Fixed**
Credits	**6**

EAPP 0102: WRITTEN COMMUNICATION

This course provides opportunities for developing linguistic competencies essential for academic writing. It covers the processes and practice of formal audience writing. It focuses on developing a clear thesis statement, writing concisely and with grammatical accuracy, revising, editing, and adopting writing for different purposes. Key components of academic discourse, such as academic integrity, organizational strategies, and professional expectations are also included.

Credit Type	**Fixed**
Credits	**3**

EAPP 0110: ADV WRITTEN COMMUNICATION

This course focuses on developing sophisticated linguistic competencies essential for academic work across disciplines. Students will analyze and implement complex grammatical structures found in authentic academic texts, with emphasis on hedging devices, reporting verbs, back-shifting verb forms, and advanced syntactical patterns. Through intensive engagement with scholarly articles and academic writing tasks, students will enhance their ability to process and produce higher-level academic discourse in both written and spoken forms. The course integrates advanced academic vocabulary development, rhetorical strategies, and discipline-specific conventions while providing opportunities to work with research-based materials from various academic fields.

Credit Type	**Fixed**
Credits	**3**

EAPP 1010: ORAL COMMUN & PUBLIC SPEAKING

This course provides advanced practice in public speaking required in academic and other professional settings. Students will have the opportunity to plan and deliver academic presentations, develop research and organizational skills, self-assess and peer-assess oral research and poster presentations, and improve their English oral accuracy and fluency. The course also covers performance issues in academic presentations, such as oral delivery, the use of visual aids, audience accommodation, and non-verbal behavior. Course fulfills 3 credits of Global Perspective or Core Elective requirements; additional 3 credits applied as General Elective credits.

Credit Type	**Fixed**
Credits	**6**

EAPP 1011: CRITICAL INQUIRY & RESEARCH WRITING

In this course, students are introduced to critical inquiry and analysis of literary texts and the methods, techniques, and materials of argumentative research writing. The course guides students as they form research questions related to their areas of interest, develop an appropriate research strategy, review and think critically about the information gathered through various sources, and write a short research paper that reviews and cite sources appropriately. Emphasis is placed on summarizing, integrating, comparing, critiquing, and documenting academic material for a specialized audience.

Credit Type	**Fixed**
Credits	**6**

EDDE 5010: INTRO TO DEAF EDUC, IEPS & APPREN I

This introductory course will help students develop an understanding of Deaf Culture, the historical, philosophical, linguistic, legal, sociological, and educational aspects of the Deaf and Hard-of-Hearing Community. The student will be introduced to IEPs, become familiar with collaboration, write reflections based on current issues/trends in deaf education, and comprehend the special education continuum of services available to the identified students. In the GUIDE program, the pre-student teaching/clinical experience has been incorporated within the apprentice hours and competencies within Apprenticeship I.

Credit Type	**Fixed**
Credits	**3**

EDDE 5520: @MINOT STATE: ASL/SIGN LANGUAGE

THIS COURSE IS TAUGHT BY MINOT STATE UNIVERSITY (SPED552) This course is designed to introduce graduate students to American Sign Language. Students develop basic vocabulary and conversation skills. Fundamental aspects of Deaf Culture are incorporated.

Credit Type	**Fixed**
Credits	**3**

EDDE 6010: APPRENTICESHIP II & SEMINAR

Per the PA Department of Education (PDE), candidates seeking PA teacher certification must successfully complete a pre-student teaching experience. Prestudent teaching is designed to involve the teacher candidate in the various aspects of classroom teaching, methodology, pedagogy, curriculum/standards, and classroom management. In the GUIDE program, the pre-student teaching/clinical experience has been incorporated within the apprentice hours and competencies within Apprenticeship II (633 hours). The field/OTJ hours will be completed at the various educational settings within DePaul School for Hearing & Speech (pre-school, K-8 classrooms, itinerant public school placements PK-12). The candidates/apprentices will have the opportunity to employ reflective decision making when planning, implementing, and assessing learning of students who are deaf/hard of hearing in an actual school environment. In addition, teacher candidates/apprentices will become aware of the managerial, record keeping, and professional aspects of teaching in diverse classroom settings. During pre-student teaching/Apprenticeship II, candidates/apprentices will move through four basic learning experiences: observation, one-to-one tutoring or instruction, small group instruction, and whole class or whole group instruction. Candidates/apprentices meet face-toface/online/virtually weekly in seminars.

Credit Type	**Fixed**
Credits	**3**

EDDE 6020: APPRENTICESHIP III & SEMINAR

Per the PA Department of Education (PDE), candidates seeking PA teacher certification must successfully complete a student teaching/clinical experience (minimum 12 weeks). Student teaching is designed to involve the teacher candidate in the various aspects of classroom teaching, pedagogy, and assessment. In the GUIDE program, the student teaching/clinical experience has been incorporated within the apprenticeship hours and competencies within Apprenticeship III (967 hours). The field/OTJ hours will be completed at the various educational settings within DePaul School for Hearing & Speech (pre-school, K-8 classrooms, itinerant public school placements PK-12). The candidates/apprentices will have the opportunity to employ reflective decision making when planning, implementing, and assessing learning of students who are deaf/hard of hearing in an actual school environment and this is documented through a Teacher Work Sample (TWS). In addition, teacher candidates/apprentices will expand their experiences individualizing instruction for students with hearing loss through experiences with Individual Education Programs (IEPs). Candidates/apprentices work under the supervision of a cooperating teacher/mentor and University supervisor. Candidates/apprentices meet online/virtually weekly in seminars.

Credit Type	**Fixed**
Credits	**3**

EDDE 6045: @ RMU: TRANSITIONING

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (SDIN6045) This course examines policies, trends, educational practices, and societal perspectives related to transition of students with disabilities. This course explores transition planning from school to community living, post-secondary education, and employment. Curriculum and strategies will be investigated in order to maximize academic, social, and functional skills of individuals with disabilities across the life span.

Credit Type	**Fixed**
Credits	**3**

EDDE 6045P: @RMU: TRANSITION: FIELD EXPERIENCE

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (SDIN0645) This is a co-requisite field experience.

Credit Type	**Fixed**
Credits	**0**

EDDE 6060: @RMU: CURRICULUM DES & ASSESSMENT

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (EDUC6060) This course focuses on the development of effective, practical techniques for establishing curricula for use in a standards-based education environment. The course examines the theoretical dimensions of curriculum development. Topics such as taxonomies, objectives, and lesson planning are addressed to show their connection to curriculum development and outcomes-based educational planning efforts. Assessment related topics such as reliability and validity of assessments, constructing classroom tests, constructing performance tasks and scoring rubrics, formative assessment in the classroom, and the uses and interpretation of test results will be addressed. Major requirements of the course include departmental field experiences and the development of a curriculum proposal that focuses on a topic related to the student's day-today classroom teaching.

Credit Type	**Fixed**
Credits	**3**

EDDE 6060P: @RMU: CURRIC DESI: FIELD EXPERIENCE

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (EDUC0606) This is a co-requisite field experience.

Credit Type	**Fixed**
Credits	**0**

EDDE 6070: @RMU: COMMUNICATION & SPEC EDUC

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (SDIN6070) This course addresses normal language and communication development and the language development of students with exceptional needs. Students will examine the language-literacy connection or the impact of language and language delays in reading and writing. Specific research validated instructional strategies focusing on the assessment and development of social and academic language skills are emphasized. This course explores assistive technology as a research supported tool to improve access to and participation in the general education curriculum. In addition, students will examine assistive technology and secondary transition. Students will integrate assistive technology in lesson planning to meet students' individual needs.

Credit Type	**Fixed**
Credits	**3**

EDDE 6070P: @RMU: COMMUNIC & SIGN: FIELD EXPERI

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY. Field experience associated with EDDE6070.

Credit Type	**Fixed**
Credits	**0**

EDDE 6320: @UTAH ST: LANG LEARN & LITERAC ACQ

COURSE IS TAUGHT AT UTAH STATE UNIVERSITY (COMD6320) Language Learning & Literacy Acquisition in Children with Hearing Loss. Addresses unique process of language learning in children with hearing loss. Explores processes and strategies to facilitate literacy acquisition in these children through an auditory-oral approach.

Credit Type	**Fixed**
Credits	**3**

EDDE 6340: @UTAH ST: LISTENING & SPOKEN LANGU

COURSE IS TAUGHT AT UTAH STATE UNIVERSITY (COMD6340) This course examines developmental processes underpinning audition and spoken language acquisition. Explores specific techniques, strategies, and teaching behaviors for developing listening and spoken language in young children who are deaf or hard of hearing.

Credit Type	**Fixed**
Credits	**3**

EDDE 6400: @ RMU: READING ACROSS THE CURRICULU

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (EDUC6400) This course focuses on research and principles of reading in content area instruction. It examines the importance of reader background knowledge and language acquisition across the curriculum. Specifically, the language and culture of Multi Language Learners will be explored to facilitate the planning and implementation of effective assessment and instruction. This course examines key areas of working with reading for diverse learners (students with special needs and Multi Language Learners), implementing assessment tools in the content areas, and integrating technology to improve reading and literacy. Emphasis is on pre-reading, during reading, and post-reading strategies. Additionally, participants will have the opportunity to design lesson plans that effectively demonstrate reading strategies covered in the course to meet the needs of all students.

Credit Type	**Fixed**
Credits	**3**

EDDE 6400P: @RMU: READING ACROSS CUR:FIELD EXP

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY. Field experience associated with EDDE6400.

Credit Type	**Fixed**
Credits	**0**

EDEL 2000: FOUNDATIONS OF EARLY

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course will focus on the foundations of PreK-4 education and explore the different learning environments that are optimal for young children. Students will gain insight into the philosophy and objectives of the PreK-4 curriculum and be introduced to theories and instructional strategies that can be used in teaching the various subject areas. The course will provide an overview of relevant content for educating students from preschool through grade four.

Credit Type	**Fixed**
Credits	**3**

EDEL 2010: OBSERVATION 1 (PreK)

This class will provide the student with the opportunity to work with a teacher in a pre-school setting/classroom. This field work will coincide with the classes of Child Development, Educational Psychology, and Orientation to PreK-4 Education. This will allow the student to connect the theory gained in these classes to practice in the early childhood classroom according to PA learning standards. Field Experience: 36 total hours (6 hours Stage 2 and 30 hours Stage 3 field experience).

Credit Type	**Fixed**
Credits	**2**

EDEL 2020: OBSERVATION II (K-4)

PREREQUISITE: EDEL2000, GRADE OF C OR BETTER This course will provide the student with the opportunity to work with a teacher in a kindergarten to fourth grade classroom. This field work will allow the student to connect the theory gained in Child Development, Educational Psychology, and Orientation to PreK-4 Education classes to practice in the classroom according to PA learning standards. Seminars will be in integral part of the class to discuss what the student is observing, provide additional support, and theory to the student. Field Experience: 36 total hours (6 hours Stage 2 and 30 hours Stage 3 field experience).

Credit Type	**Fixed**
Credits	**2**

EDEL 2030: METHODS OF TEACHING HEALTH &

PREREQUISITE: EDEL2000, GRADE OF C OR BETTER The course will focus on the importance of proper health and physical activities, according to the Pennsylvania early learning standards, for PreK-4th grade students of all ability ranges and from different cultures in an inclusive classroom. Students will be provided with introductory experiences in physical education, health, and assessment of student performance. Students will design and practice teaching methods for physical education/ health activities for the PreK-4 grades. An integral part of this course will be a field experience in a variety of classrooms across the PreK-4 grade span to observe teachers presenting physical education/health lessons. Field Experience: 4 hours of Stage 1 Field Experience.

Credit Type	**Fixed**
Credits	**2**

EDEL 3015: CREATIVE THINKING: METHODS OF

PREREQUISITE: EDEL2000, GRADE OF C OR BETTER This class will present strategies and teaching techniques for integrating art and music across the curriculum, aligned with the Pennsylvania early learning standards, for students in the PreK-4 grades of all ability ranges and from different cultures in an inclusive classroom. Students will be provided with introductory experiences in art and music and assessment of student performance. Students will design and practice teaching methods to incorporate art and music into content areas across the PreK-4 curriculum. An integral part of this course will be a field experience in a variety of classrooms across the PreK-4 grade span to observe teachers who incorporate art and music into their lessons. Field Experience: 4 hours of Stage 1 Field Experience.

Credit Type	**Fixed**
Credits	2

EDEL 3025: METHODS OF TEACHING WRITING

PREREQUISITE: EDEL2000, GRADE OF C OR BETTER This course will provide opportunities for you to learn how to teach PreK-4 students to learn to write for a variety of purposes, based on the Pennsylvania academic standards and assessment anchors. You will learn how to use backwards-design to create lessons that focus on student growth areas, and how to assess writing samples to inform further instruction. In this process you will also learn how to improve your own writing so that you can serve as a model for your students. You will be expected to demonstrate model handwriting for printing and cursive.

Credit Type	**Fixed**
Credits	2

EDEL 3035: METHODS OF TEACHING READING

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course provides the foundation for teaching reading according to PA academic standards and assessment anchors for PreK through grade 4, for students with a broad range of abilities and diverse cultural backgrounds. The focus is on research-based instruction around the Five Big Ideas of Reading: fluency, comprehension, vocabulary, phonemic awareness and the alphabetic principle. Strategies for dealing with struggling readers will be emphasized, and you will learn to differentiate your reading instruction for students reading above-, on-, and below-level. This will be exciting, intense, hands-on work that will teach you to understand reading in a whole new way.

Credit Type	**Fixed**
Credits	3

EDEL 3045: TEACHING READING & LANGUAGE ARTS

This course provides a weekly supervised practicum and seminar. This offers a supportive, scaffolded, first step into teaching. Students will be teaching reading and language arts in a PreK-4th grade level classroom. Instructional topics will be assigned by classroom mentor teachers. Topics will address the grade-level standards for reading, writing, speaking and listening. Practicum students will use assessment information to design lessons, and differentiate instruction to meet student needs. Throughout the practicum, students will be able to demonstrate effective reading and language arts instruction, and promote skill development in early elementary students. The primary objective of this course is for students to practice planning and implementing standards-based reading and language arts instruction that is very interactive, and differentiated for student strengths and needs. Field Experience: 15 hours of Stage 3 Field Experience

Credit Type	**Fixed**
Credits	2

EDEL 3055: METHODS OF TEACHING SOCIAL

This class will provide the pre-service PreK-4 teacher with strategies and techniques for teaching social studies in a heterogeneous inclusive classroom according to PA early learning standards and the National Council for the Social Studies thematic strands, which include the disciplines of geography, history, economics, and civics and government. Emphasis will be on organizing subject matter and translating it to children through a variety of methods which address different learning styles. An integral part of the course will be a field placement experience in a PreK-4 classroom. This field placement will allow the student to connect theory to practice and provide an experience of working with children. Field Experience: 10 hours of Stage 3 field experience (teaching Junior Achievement)

Credit Type	**Fixed**
Credits	**3**

EDEL 4035: METHODS OF TEACHING SCIENCE

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This class will provide the pre-service PreK-4 teacher with strategies and techniques for teaching science in a heterogeneous inclusive classroom according to PA learning standards and the National Science Teachers Association utilizing a 'hands-on' approach. Emphasis will be on organizing subject matter including environment and ecology, life sciences, physical sciences, and earth and space science, and translating it to children through the students' participation in various methods of learning. The student will present a demonstration lesson utilizing the inquiry lesson plan format to his/her peers. An integral part of this course will be a field experience in a PreK-4 classroom. This field placement will allow the student to connect theory to practice and provide an experience of working with children. Field Experience: 10 hours of Stage 3 field experience

Credit Type	**Fixed**
Credits	**3**

EDEL 4040: METHODS OF TEACHING MATH PREK-4

PREREQUISITE: EDEL2000, GRADE OF C OR BETTER This course provides the theoretical base of principles for teaching math according to PA learning standards and the National Council of Teachers of Mathematics to students from infancy through grade 4, inclusive of special needs and gifted children. It will enable the student to learn mathematical concepts, skills, and problem solving methods through the use of manipulatives and be able to demonstrate this knowledge through demonstration lessons to his/her peers. Through the experiences provided, the student will gain knowledge in the various strategies for the use of these manipulatives, the selection of effective materials and techniques, and diagnostic procedures.

Credit Type	**Fixed**
Credits	**3**

EDEL 4045: TEACHING MATH PRACTICUM PREK-4

PREREQUISITE: EDEL4040, GRADE OF C OR BETTER This course provides a weekly supervised practicum and seminar based on the Methods of Teaching Math course. The student will be assigned a class or a small group of students where he/she will diagnose the students' needs and then create and implement lessons weekly according to PA learning standards that focus on the diagnosis found. The student will be able to demonstrate and promote effective strategies for teaching children of all ability ranges in his/her lessons plans and teaching. The student will spend one period a week in a classroom teaching and this will be accompanied with a seminar focusing on the plans and teaching that is implemented weekly. Field Experience: 15 hours of Stage 3 Field Experience

Credit Type	**Fixed**
Credits	**2**

EDEL 4060: INTEGRATING CURRICULUM &

PREREQUISITE: EDEL2000, GRADE OF C OR BETTER In the final stages of preparing participants to enter the teaching profession, this class acts as the capstone of the program prior to student teaching. This course will offer the participants opportunities to connect the various methods courses and strategies learned. Participants will learn and practice ways to integrate different subject areas into a cohesive unit using projects, and to provide cognitively engaging instruction for students of many ability levels and learning styles in an inclusive setting. As always, instruction will be planned according to PA learning standards. The course will also address the duties of the teaching profession that extend beyond daily instruction, which includes providing opportunities to learn and practice strategies for working with families and keeping them engaged in their children's education. Participants will invest significant professional development hours in preparing the assignments of this course, including some materials useful during student teaching.

Credit Type	**Fixed**
Credits	**3**

EDEL 4075: STUDENT TEACHING & SEMINAR (PK-4)

PREREQUISITE: EDUC4005, GRADE OF C OR BETTER This course provides PreK-4 teacher candidates with the opportunity to incorporate various strategies and techniques learned from the methods courses to implement effective instruction for all learners during an eight-week supervised student teaching placement in a PreK-4th grade classroom. Under the direct supervision of a cooperating teacher and a university supervisor, the student teacher will have the opportunity to teach in all the subject areas and demonstrate the instructional practices and methods related to the developmental level of their students, based on a standards aligned system. The student teacher will reflect on their experiences and participate in student teaching seminars.

Credit Type	**Fixed**
Credits	**6**

EDEL 4080: STUDENT TEACHING AND SEMINAR

Student teaching experience.

Credit Type	**Fixed**
Credits	**6**

EDML 2000: FOUNDATIONS OF MIDDLE LEVEL

This course will provide an overview of the rationale and characteristics of developmentally responsive middle schools that serve fourth through eighth grade students. Specific structures and strategies that support the unique needs of adolescent learners will be discussed, such as transition practices, exploratory curriculum, advocacy, and interdisciplinary teaming.

Credit Type	**Fixed**
Credits	**1**

EDML 2010: ML TEACHING SCIENCE METHODS-LAB

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course is required for all middle level education majors. The course will focus on how to use an inquiry approach to teach science in the 4th-6th grade levels, with an emphasis on how to address the Pennsylvania Academic Standards and Assessment Anchors for Science & Technology and Environment & Ecology. A field experience is a required component of this course.

Credit Type	**Fixed**
Credits	**1**

EDML 2023: ML TEACHING MATHEMATICS METHODS

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course is required for all middle level education majors. The course will focus on how to use a learner based approach to teach math in the 4th-6th grade levels, with an emphasis on how to address the Pennsylvania Academic Standards and Assessment Anchors for Mathematics. A field experience is a required component of this course.

Credit Type	**Fixed**
Credits	**1**

EDML 3010: DEVELOPING READING COMMUNITIES

This course engages students in a study of the relationship between literacy and community by examining a range of "reading communities," including historical, school-based, professional, neighborhood, workplace, and recreational communities. Key issues will include: how communities use literacy and literacy practices, how literacy practices define and shape communities, how literacy practices draw and transcend boundaries between communities, and how new literacies transform older communities and create new kinds of communities.

Credit Type	**Fixed**
Credits	**3**

EDML 3013: ML TEACHING SOCIAL STUDIES

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course is required for all middle level education majors. The course will focus on how to present social studies concepts in a hands-on manner to 4th-6th grade students, with an emphasis on how to address the Pennsylvania Academic Standards for Geography, History, Economics, and Civics & Government. A field experience is a required component of this course.

Credit Type	**Fixed**
Credits	**1**

EDML 3050: READING AND WRITING ACROSS THE

Reading and Writing Across the Disciplines introduces a wide variety of effective instructional methods for middle level and secondary teachers to present reading and writing skills in any content area.

Credit Type	**Fixed**
Credits	**3**

EDML 4010: ADVANCED TEACHING METHODS FOR

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course is required for all middle level education majors, in order to prepare for student teaching. Future middle level teachers will explore ways to engage students in the learning process, with a focus in the content areas at the 7th and 8th grade level. Future teachers will plan lessons and units based on content standards and assessment anchors. The use of technology will also be explored as a way to enhance instruction and assessment. A field experience is a required component of this course.

Credit Type	**Fixed**
Credits	2

EDML 4050: ML STUDENT TEACHING (GRADES 4-6)

PREREQUISITE: EDML4010 AND EDUC4005, GRADE OF C OR BETTER During this portion of student teaching, middle level education majors will be placed in a 4th-6th grade setting, and may be expected to teach any subject area (science, mathematics, language arts, or social studies) for approximately seven weeks. Student teachers will be expected to demonstrate instructional strategies that capitalize on the developmental characteristics of young adolescents and to design successful interventions responsive to the needs of individual middle level students. Student teachers will be supervised by a cooperating teacher and a LRU supervisor, and will be expected to participate in collaborative team building opportunities. Part of the student teaching experience will also include an on campus student teaching seminar, where topics such as certification requirements, school law, and interviewing strategies will be presented.

Credit Type	**Fixed**
Credits	**6**

EDML 4055: ML STUDENT TEACHING (GRADES 7-8)

PREREQUISITE: EDML4010 AND EDUC4005, GRADE OF C OR BETTER During this portion of student teaching, middle level education majors will be placed in a 7th-8th grade setting within their content specialty (science, mathematics, language arts, or social studies) for approximately seven weeks. Student teachers will be expected to demonstrate their deep content knowledge as they apply instructional strategies that capitalize on the developmental characteristics of young adolescents and to design successful interventions responsive to the needs of individual middle level students. Student teachers will be supervised by a cooperating teacher and a LRU supervisor, and will be expected to participate in collaborative team building opportunities. Part of the student teaching experience will also include an on campus student teaching seminar, where topics such as certification requirements, school law, and interviewing strategies will be presented.

Credit Type	**Fixed**
Credits	**6**

EDML 4057: INDEPENDENT STUDY - MID LVL EDUCAT

Independent study on a topic not otherwise covered at La Roche University. For Middle-Level Education majors.

Credit Type	**Variable**
Credits	**1-6**

EDSP 2015: INTRO TO HIGH INCIDENCE DISABILITIE

This course provides students an opportunity to explore foundations of special education in the United States including: characteristics of each disability category, legislation, over-representation of diverse students, academic and functional needs of students with disabilities, individual learning differences, least restrictive environment, implications for a Standards Aligned System, collaboration and transition. Students will develop an understanding of Accommodations and Adaptations for inclusive environments.

Credit Type	**Fixed**
Credits	**3**

EDSP 2025: LEARNING ENVIRONMENTS AND

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER This course will introduce students to behavior and misbehaviors of students in the school setting, types of misbehavior roles, establish a classroom management plan that will reflect their consideration of students with disabilities, problem solving, conflict resolution, assessing appropriate and problematic behaviors while establishing opportunities for students with diverse backgrounds to interact and share in cooperative learning groups, problem solving to achieve common goals. "Application Models" will be the framework used to demonstrate the approaches used by pioneers as well as 21st century researchers and educators.

Credit Type	**Fixed**
Credits	**3**

EDSP 3010: LITERACY INSTRUCTION AND

This course provides the foundation for teaching reading according to PA learning standards for students with a broad range of abilities and diverse cultural backgrounds. The course emphasizes research-based instructional approaches and interventions for Middle and Secondary level students including word level instruction, text level comprehension, reading-writing connection, and assessment. A field experience is a required component of this course.

Credit Type	**Fixed**
Credits	**3**

EDSP 3015: INTRO TO LOW INCIDENCE DISABILITIES

This course is designed to prepare students with the skills necessary to effectively teach individuals with severe disabilities, identify the relationships of organizations to school systems, laws and policies that are related to the implementation of specialized health care in the educational setting, and demonstrate the knowledge and understanding of individuals so as to develop effective instructional plans that will contribute to effective programs.

Credit Type	**Fixed**
Credits	**3**

EDSP 3025: EFF INSTRUCT STRAT STUDE DISABILITI

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER The Instructional Strategies Course identifies and implements instructional strategies for all individuals with disabilities by evidenced-based methods, specialized resources, multiple instructional approaches, appropriate adaptations and technology, integrating student initiated learning opportunities and experiences into ongoing instruction. Teach learning strategies and modify the pace of instruction within and across curricula, demonstrate efficient differentiated instruction, efficient planning, coordination, and delivery for effective instruction required for inclusive settings.

Credit Type	**Fixed**
Credits	**3**

EDSP 3035: SPECIAL EDUCATION PRACTICUM

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER This course provides a special education field experience placement and seminar based on the Effective Instructional Strategies course. The student will be assigned a class or a small group of students where he/she will create and implement lessons weekly according to the studentsâ€™ IEP, learning needs, and PA learning standards. The student will demonstrate and promote effective strategies for teaching children of all ability ranges in his/her lessons plans and teaching. The student will spend one period a week teaching in a classroom. This will be accompanied with a seminar focusing on the plans and teaching that is implemented weekly.

Credit Type	**Fixed**
Credits	**2**

EDSP 3040: EVALUATION AND ASSESSMENT

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This required course for all education majors will explore the instructional purposes for a variety of assessment strategies, such as: authentic, screening, diagnostic, formative, benchmark, and summative assessments. Future teachers will learn how to interpret assessment data, such as standardized test scores and norms, and will practice how to communicate assessment results to educational stakeholders, while considering legal and ethical issues related to assessment data, such as maintaining confidentiality. Future teachers will also create sample assessments that target academic standards and assessment anchors within subject areas, in order to measure mastery of the curriculum in more than one way.

Credit Type	**Fixed**
Credits	**3**

EDSP 4010: TRANSITION PLANNING FOR

The focus of this course is to prepare the Special Education Teacher Candidate with an authentic overview of the transition process for secondary students with disabilities through field experience, informational sessions, and interactive online coursework. The course emphasizes evidence-based best practices with a focus on self-determination and self-advocacy to help students plan and prepare for life after high school in the areas of post-secondary education, employment and independent living.

Credit Type	**Fixed**
Credits	**2**

EDSP 4015: DEVELOPMENT OF THE IEP AND

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER The focus of this culminating course is to prepare the student teacher with a realistic overview of teaching special education in Pennsylvania. The student will create an IEP, become familiar with Inclusion and collaboration, write reflections based on current issues/ trends in special education, participate in discussions, create useful artifacts, discuss significant court cases, and understand Transition. The student will also comprehend the special education continuum of services available to the identified student.

Credit Type	**Fixed**
Credits	**3**

EDSP 4020: INCL HEALTH & EDUC PRAC FOR DIVERSE

PREREQUISITES: EDSP2015 & EDSP3015. This course is designed to provide school nurses with the knowledge and skills to support the development and well- being of students, particularly those with disabilities, through ethical, data-driven practices. Special emphasis will be placed on culturally relevant pedagogy, with participants reflecting on their own cultural biases to develop asset-based perspectives of student differences. Through the study of professional standards such as the PA Code of Professional Practice, PA Educator Discipline Act, and the PA State Professional Nurse Law, participants will develop a deep understanding of the ethical and legal responsibilities related to student welfare. The course will also address how to recognize and challenge microaggressions in diverse learning environments, and foster collaboration through effective communication among all stakeholders.

Credit Type	**Fixed**
Credits	**3**

EDSP 4065: SPECIAL ED STUDENT TEACHING

PREREQUISITE: EDSP4015, GRADE OF C OR BETTER The Special Education Student Teaching Course is designed to allow teacher candidates an opportunity to apply skills learned in professional practice, human development, learning environments, instructional strategies, instructional planning, diversity, adaptations and accommodations, collaboration, behavior management, and assessment in a PreK-6th grade special education placement. Under the supervision of a school district cooperating teacher(s) and a La Roche University supervisor, the teacher candidate will design, implement and evaluate lessons that appropriately address the IEP goals and meet the PA Academic Standards and Assessment Anchors. Student teachers will demonstrate skills that include, but are not be limited to: differentiated instruction, universal design, collaborative teaching, transition planning and research based data driven instruction to meet the needs of all students.

Credit Type	**Fixed**
Credits	**6**

EDSP 4070: SPECIAL EDUC STUDENT TEACH (PK-12)

PREREQUISITE: EDSP4015, GRADE OF C OR BETTER The Special Education Student Teaching Course is designed to allow teacher candidates an opportunity to apply skills learned in professional practice, human development, learning environments, instructional strategies, instructional planning, diversity, adaptations and accommodations, collaboration, behavior management, assessment, and transition in a 7-12 grade special education placement. Under the supervision of a school district cooperating teacher(s) and a La Roche University supervisor, the teacher candidate will design, implement and evaluate lessons that appropriately address the IEP goals and meet the PA Academic Standards and Assessment Anchors. Student teachers will demonstrate skills that include, but are not be limited to: differentiated instruction, universal design, collaborative teaching, transition planning and research based data driven instruction to meet the needs of all students.

Credit Type	**Fixed**
Credits	**6**

EDSP 5010: CONTEMPORARY ISSUES IN EDUCATION

The purpose of this graduate course is to prepare MAT candidates to be well-informed educators by investigating current trends and issues in education. A core set of topics will be explored in depth, including developments in curriculum and instruction, legal policies, new technology, ethical principles, and standards for practice. Additional content may be added in response to new issues or student expressed interests. MAT candidates will prepare to become informed consumers of eductional research by learning to evaluate the strength of the research articles and analyzing research trends to identify effective practices for working with all young adolescents.

Credit Type	**Fixed**
Credits	**3**

EDSP 5015: CONTEMPORARY ISSUES IN SPECIAL

The purpose of this graduate level course is to prepare Masters Degree candidates to be well-informed special educators by investigating current trends and issues in special education, and some of their historical roots. A core set of topics will be explored in depth that could build toward leadership in the field, including developments in curriculum and instruction, legal policies, new technology, ethical principles, and standards for practice. Additional content may be added in response to new issues or student-expressed interests. Students will prepare to become informed consumers of educational research by learning to evaluate the strength of the research articles describing trends and issues. Students will learn to analyze research and trends to identify effective practices for working with individuals with exceptionalities and their families.

Credit Type	**Fixed**
Credits	**3**

EDSP 5020: ASSESSMENT FOR DATA BASED

The purpose of this graduate course is to prepare MAT candidates to use data to guide their instruction, with valid and reliable assessment practices to promote equitable learning environments for all students. This course will focus on designing and implementing assessments to evaluate the effectiveness of instructional practices and programs, including the procedure for creating and maintaining Individualized Education Plans (IEPs).

Credit Type	**Fixed**
Credits	**3**

EDSP 5025: COLLABORATING WITH FAMILIES AND

The purpose of this graduate level course is to prepare Master's Degree Candidates to collaborate with all stakeholders to enhance educational opportunities for students with special needs. This course will focus on effective communication skills and culturally responsive practices that can be used to interact in a professional and ethical manner with families and community agencies.

Credit Type	**Fixed**
Credits	**3**

EDSP 5030: READING INSTRUCTION FOR STUDENTS

The purpose of this graduate level course is to prepare Masters Degree candidates to understand how processing differences effect reading, and how to provide the explicit, systematic instruction needed by students with high-incidence exceptionalities. The course will provide research-based recommendations for both instruction in the five essential skill areas of reading and measures to assess and monitor students' progress. Participants will also learn how to evaluate instructional effectiveness and adapt instruction, differentiate instruction for diverse groups of students, and provide differentiated instruction through a Response to Intervention and Instruction (RTII) model. Practice opportunities will be provided for application of course concepts. The course will maintain a strong emphasis on helping participants to establish best practices for effective reading instruction for students with exceptionalities.

Credit Type	**Fixed**
Credits	**3**

EDSP 5035: RESEARCH METHODS

PREREQUISITE: EDSP5015, GRADE OF B OR BETTER The purpose of this graduate level course is to prepare Masters Degree candidates to become critical consumers of educational research, and to conduct research projects. The course is highly interactive, designed to help participants apply many of the examined quantitative and qualitative practices by analyzing research reports and planning research projects. Emphasis will be placed on exposure to the breadth of research possible in the educational field.

Credit Type	**Fixed**
Credits	**3**

EDSP 5040: INTRO TO EDUCATION OF PERSONS

This introductory course fulfills part of the requirements for those wishing to obtain an ASD Endorsement from the Pennsylvania Department of Education. It is designed to provide students with an overview of characteristics and learning traits, classification systems, assessment strategies/issues, approaches, and interventions related to individuals with autism spectrum disorders (ASD). Special emphasis is placed on collaboration, adapting instruction and use of evidence based interventions. Specific attention will be devoted to review of the Comprehensive Autism Assessment Planning System and principles of Applied Behavior Analysis. Field experiences are embedded in this course.

Credit Type	**Fixed**
Credits	**3**

EDSP 5045: ADVANCED STUDIES IN BEHAVIOR

This course fulfills part of the requirements for those wishing to obtain an ASD Endorsement from the Pennsylvania Department of Education. This course provides an in-depth review of applied behavior analytic techniques including: conducting behavioral assessments, completing environmental assessments and making adaptations, designing effective behavior change programs, and applying behavioral procedures consonant with ethical standards. Teachers will learn to apply behavior analytic principles toward the improvement of socially significant behaviors in a wide range of settings as well as to evaluate the effects of behavioral procedures. Functional Behavior Assessments (FBA), behavior supports, antecedent management, and encouraging positive alternative behaviors and crisis management will be addressed. Evidence-based prevention and intervention strategies will be emphasized. This course will equip teachers to design instruction and supports in order to encourage positive changes in classroom behavior. Field Experiences are embedded in this course.

Credit Type	**Fixed**
Credits	**3**

EDSP 5050: COMMUNICATION AND SOCIAL SKILLS

PREREQUISITE: EDSP5040, GRADE OF B OR BETTER This course on communication and social skills instruction fulfills part of the requirements for those wishing to obtain an ASD Endorsement from the Pennsylvania Department of Education. It addresses normal language and communication development and the language development of students with Autism Spectrum Disorder. Teachers will examine the language-behavior connection, how language delays can lead to social incompetence, and how language can be supplemented with augmentative and alternative interventions. Specific research validated instructional strategies focusing on the assessment and development of social and academic language skills are emphasized. This course explores assistive technology as a research supported tool to improve access to and participation in the general education curriculum. In addition, students will integrate assistive technology in lesson planning to meet students' individual needs. Field experiences are embedded in this course.

Credit Type	**Fixed**
Credits	**3**

EDSP 5055: ADVANCED TOPICS FOR PERSONS WITH

PREREQUISITE: EDSP5045, GRADE OF B OR BETTER This course on advanced issues related to autism fulfills part of the requirements for those wishing to obtain an ASD Endorsement from the Pennsylvania Department of Education. In addition to completing a field experience upon completion of this course students will be able to demonstrate knowledge of the variety of programming options available to children and families, discuss non-traditional methods and interventions related to past and present etiologies and treatments of autism including efficacy research; complete research on social skills programs for students with an ASD in order to be able to advocate for social skills programming; complete an intervention assessment tool and create specially designed instruction for a student on the spectrum, and additionally reflect on issues that affect both children with the diagnosis and their families. Field experiences are embedded in this course.

Credit Type	**Fixed**
Credits	**3**

EDSP 6010: LITERACY INSTRUCTION FOR DIVERSE

PREREQUISITE: EDSP5020, GRADE OF C OR BETTER This graduate course focuses on how processing differences affect literacy, and how to provide the explicit, systematic instruction needed by diverse learners. The course will provide research-based recommendations for instruction in writing and the five essential components of reading as well as measures to assess and monitor students' progress. MAT candidates will learn to evaluate instructional effectiveness and adapt instruction, how to differentiate instruction for diverse groups of students, and how to provide differentiated instruction through a Response to Intervention and Instruction (RTII) model. Practice opportunities will be provided for application of course concepts.

Credit Type	**Fixed**
Credits	**3**

EDSP 6020: ADVANCED INSTRUCTIONAL

The purpose of this graduate level course is to prepare Master's Degree Candidates to provide evidenced-based instructional techniques to students with disabilities in inclusion settings. An emphasis is placed on results of research and proven methods of instruction including: modifications and adaptations of materials, co-teaching models, learning strategies, lesson planning, assessment, and transitioning. The purpose and use of assistive technology will also be highlighted.

Credit Type	**Fixed**
Credits	**3**

EDSP 6025: RESEARCH BASED ASSESSMENT

PREREQUISITE: EDSP5035, GRADE OF B OR BETTER The purpose of this graduate level course is to prepare Master's Degree Candidates to use valid and reliable assessment practices to improve their instruction and to minimize bias. This course will focus on designing and implementing assessments to evaluate the effectiveness of practices and programs for individuals with exceptionalities. In addition, this is the capstone course for the Master's Degree in Special Education program, so Master's Degree Candidates will present their original research projects as a culminating activity.

Credit Type	**Fixed**
Credits	**3**

EDUC 1010: INTRO TO EDUCATION AND FIELD

This course is designed to deepen understanding of the professional world of education and recognize the responsibilities of an effective and ethical educator. Students will become familiar with the teacher expectations outlined in the PA Code of Professional Practice and Conduct for Educators and the PA Educator Discipline Act. Completing observations in diverse classrooms and school settings will provide students the opportunity to connect course topics to real-world teaching. Throughout the course, students will be encouraged to reflect upon their decision to become a teacher by explaining how their learning will impact their future pedagogy

Credit Type	**Fixed**
Credits	**3**

EDUC 2000: SUPPORTING MULTILINGUAL LEARNERS

This course is intended for students seeking Pennsylvania teaching certification. The course focuses on the skills and competencies required to effectively communicate, teach, and advocate for students whose first language is not English. Teacher candidates will examine the role of culture in the learning process and apply second language acquisition research to best practices for instruction and assessment. Furthermore, teacher candidates will identify issues and resources for best supporting multilingual students and their families within the school setting.

Credit Type	**Fixed**
Credits	**3**

EDUC 2010: INITIAL FIELD EXPERIENCE

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This initial field experience course will provide students with the opportunity to observe and reflect on elements within various classroom environments. This experience will allow the student to interact with the learners in a variety of ways, develop knowledge of effective educational practices, and demonstrate professionalism in an educational setting. Seminars will be included with this course in which students will assess, evaluate, and discuss the field experience.

Credit Type	**Fixed**
Credits	**2**

EDUC 2015: INTEGRATING THE ARTS THROUG CURRICU

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course will present strategies and teaching techniques for integrating the arts throughout the curriculum. Students will develop an understanding of elements and principles of the arts. Students will consider how a classroom environment can support the arts and humanities.

Credit Type	**Fixed**
Credits	**1**

EDUC 2020: TEACHING SOCIAL STUDIES

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This class focuses on effective instructional strategies for teaching social studies in an inclusive classroom. Students will become familiar with the learning standards and thematic strands of social studies identified by the National Council for the Social Studies, which include the disciplines of geography, history, economics, and civics and government. Emphasis will be on organizing subject matter and translating it to children through a variety of instructional methods. Seminars are included in this course to help future teachers reflect on their own cultural lens and facilitate culturally relevant earning experiences.

Credit Type	**Fixed**
Credits	**3**

EDUC 2025: CHILDREN'S LITERATURE

This course is designed to give the student a broad background in literature for children from pre-school through seventh grade, to explore assumptions that form the basis of what is the best literature for children, to practice creative projects designed to encourage and enrich reading, and to evaluate children's literature as an image-maker and means of transmitting values.

Credit Type	**Fixed**
Credits	**3**

EDUC 2030: INTEGR HEALTH & WELLNESS IN CURRICU

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER This course will present strategies and teaching techniques for integrating health, safety and physical activity throughout the curriculum. Students will develop an understanding of the elements and principles of health and wellness. Students will consider how a classroom environment can support the physical, motor and social-emotional development of children.

Credit Type	**Fixed**
Credits	**1**

EDUC 3005: PRIMARY LITERACY METHODS AND

This course provides the foundation for teaching literacy aligned with the Pennsylvania Standards for students in the primary grades with a broad range of abilities and cultural backgrounds. The focus is on evidence-based literacy instruction around the essential components of literacy: oral language, phonological awareness, phonics, fluency, vocabulary, comprehension, and writing. An integral part of this course will include a practicum in a primary grade (PreK-2nd grade) classroom.

Credit Type	**Fixed**
Credits	**3**

EDUC 3010: PRIMARY MATH METHODS AND

This course provides an exploration of the principles for teaching primary math concepts according to guidelines provided in the Pennsylvania Standards and by the National Council of Teachers of Mathematics. Teacher candidates will become proficient in using math manipulatives to help students learn mathematical concepts. An integral part of this course will be a practicum, where teacher candidates will be placed in a primary classroom (PreK-2nd grade) in order to connect theory with practice.

Credit Type	**Fixed**
Credits	**3**

EDUC 3020: INTERMEDIATE LITERACY METH & PRACTI

This course provides the foundation for teaching literacy aligned with the Pennsylvania Core Standards for students in the intermediate grades with a broad range of abilities and cultural backgrounds. The focus is on evidence-based literacy instruction around the following essential components of literacy: phonics, fluency, vocabulary, comprehension, and writing. An integral part of this course will be a practicum, where teacher candidates will be placed in an intermediate classroom (3rd-6th grade) in order to connect theory with practice.

Credit Type	**Fixed**
Credits	**3**

EDUC 3025: INTERM MATH METHODS & PRACTICUM

This course provides an exploration of the principles for teaching intermediate math concepts according to guidelines provided in the Pennsylvania Math Standards and Assessment Anchors and by the National Council of Teachers of Mathematics. Teacher candidates will become proficient in using math manipulatives to help students learn mathematical concepts. An integral part of this course will be a practicum, where teacher candidates will be placed in an intermediate classroom (3rd-6th grade) in order to connect theory with practice.

Credit Type	**Fixed**
Credits	**3**

EDUC 3030: INQUIRY BASED SCIENCE METHODS

The goal of this course is to prepare teacher candidates with an understanding of science content related to the Pennsylvania Science Standards and provide experience with using an inquiry-based approach to plan and teach science lessons. An integral part of this course will be a practicum, where teacher candidates will be placed in a classroom within their certification grade span in order to connect theory with practice.

Credit Type	**Fixed**
Credits	**3**

EDUC 4005: EDUCATIONAL PARTNERSHIPS AND

This course is designed to prepare teacher candidates for student teaching and employment in the field of education. Teacher candidates will finalize professional documents, engage in professional development, identify school, district, and community resources, participate in service learning, and research best practices to set professional goals. Assignments will provide an opportunity to share information with multiple stakeholders to support families and children in meaningful and culturally responsive ways. Teacher candidates will demonstrate aspects as outlined in the PA Code of Professional Practice and Conduct for Educators, the PA Educator Discipline Act and the MCEE Code of Ethics.

Credit Type	**Fixed**
Credits	**3**

EDUC 4057: INDEPENDENT STUDY - EDUCATION

An independent study is an in-depth examination of a particular topic, under the supervision of a qualified instructor. Independent study is not a substitute for a formal course or graduation requirement. The course is limited to those few students who have demonstrated an unusual level of ability and an intense commitment to a particular area.

Credit Type	**Fixed**
Credits	**1-12**

EDUC 5000: CHARACTERISTICS OF EFFECTIVE

This graduate course provides an overview of the philosophy of middle level education and the characteristics of developmentally responsive instruction. This course will critically examine specific structures and practices that support the unique needs of adolescent learners.

Credit Type	**Fixed**
Credits	**3**

EDUC 5025: CREATING POSITIVE LEARNING

The purpose of this graduate course is to prepare MAT candidates to create and maintain supportive learning environments that promote the healthy development of all adolescents. This course will focus on effective adolescent behavior strategies and appropriate organizational techniques for the classroom. Diversity seminars are included in this course to help future teachers reflect on their own cultural lens and facilitate culturally relevant learning experiences.

Credit Type	**Fixed**
Credits	**3**

EDUC 6000: INSTRUCTIONAL STRATEGIES ACROSS

PREREQUISITE: EDSP5020, GRADE OF C OR BETTER This graduate course provides an in-depth exploration of evidence-based instructional strategies, including the use of technology and other classroom materials, across the core disciplines of language arts, mathematics, science, and social studies. MAT candidates will design lessons to motivate students within the context of each subject and will create learning opportunities that reflect an understanding of adolescent development.

Credit Type	**Fixed**
Credits	**3**

EDUC 6025: PROFESSIONALISM AND ACTION

COREQUISITE: EDUC6050 This graduate course is intended as a co-requisite for student teaching in teh MAT program, so that teacher candidates can utilize research and data-based decision making to fully participate in collaborative school structures as a professional educator.

Credit Type	**Fixed**
Credits	**3**

EDUC 6050: MIDDLE LEVEL STUDENT TEACHING

PREREQUISITE: EDUC6000, GRADE OR C OR BETTER This culminating graduate course provides MAT candidates with the opportunity to implement the middle level curriculum for all learners during a twelve week supervised student teaching placement in a 4th-8th grade classroom. Under the direct supervision of a cooperating teacher and a university supervisor, the student teacher will demonstrate the pedagogical cycle of planning, managing, instructing, assessing, and reflecting on student growth within the content areas.

Credit Type	**Fixed**
Credits	**9**

ENED 3010: METHODS OF TEACHING AND

This course is designed to give the student a broad background in literature for children from pre-school through seventh grade, to explore assumptions that form the basis of what is the best literature for children, to practice creative projects designed to encourage and enrich reading, and to evaluate children's literature as an image-maker and means of transmitting values.

Credit Type	**Fixed**
Credits	**3**

ENED 3013: CHILDREN'S LITERATURE

PREREQUISITE: ENGL1011H OR ENGL1011 This course is designed to give the student a broad background in literature for children from pre-school through 7th grade, to explore assumptions that form the basis of what is the best literature for children, to practice creative projects designed to encourage and enrich reading, and to evaluate children's literature as an image maker and means of transmitting values.

Credit Type	**Fixed**
Credits	**3**

ENED 3030: LITERATURE OF ADOLESCENTS AND

PREREQUISITE: ENGL1012 OR ENGL1012H This course is designed to give the prospective middle and/or high school English teacher a familiarity with the literature adolescents choose to read, enjoy, and find relevant to their lives. It will present the reasons why teenage readers make the choices that they do and review sources of materials teenagers will read with pleasure. It is also presented to help the prospective professional educator develop a positive attitude toward this kind of literature.

Credit Type	**Fixed**
Credits	**3**

ENED 3051: ADVANCED FIELD EXPERIENCE

In this course, you will learn and apply the definition, components, principles, and strategies of effective classroom management. In addition, you will explore the topics that contribute to developing a positive learning environment for students. These topics include: diversity, motivation theories and strategies, brain-based learning, planning physical spaces, instructional strategies, and assessment. A data and reflection driven 25 hour field experience will be completed in local district classrooms. The final project includes the development of a portfolio reflecting the range of campus and field-based experiences. A rubric will guide you through this process.

Credit Type	**Fixed**
Credits	**3**

ENED 4051: SECONDARY STUDENT TEACHING

The student teaching experience is an arranged internship in a local school district. The experience consists of 15 weeks of observation and student teaching. Supervision is provided by faculty in the department of English Education in cooperation with teachers from local schools. In order to receive the college's recommendation for certification the student teacher must earn a grade of at least B in this course. No course work may be taken during the student teaching semester unless approved by the Director, Center for Teacher Education.

Credit Type	**Fixed**
Credits	**12**

ENGL 1001: COLLEGE READING

This course is designed to teach students fundamental practices for academic reading.

Credit Type	**Fixed**
Credits	**3**

ENGL 1002: SING AND PRAISE: CONTEMPORARY

This course is designed especially for the non-English major. It is designed to introduce students to the writing of exceptional American poets since the Second World War. This course will also emphasize fundamental principles of English as a discipline, including: attentive and generous readings of texts; the use of primary and secondary sources in interpreting texts; and analysis of both the form and content of a particular genre, in this case, poetry. No prior knowledge of contemporary American poetry is expected. (SLLT)

Credit Type	**Fixed**
Credits	**3**

ENGL 1011: ACADEMIC READING AND WRITING

This course engages students in reading and writing practices essential to academic life, including critical reading, writing in response to texts, revision, and editing.

Credit Type	**Fixed**
Credits	**3**

ENGL 1011H: ACADEMIC READING AND WRIT - HONORS

This course engages students in reading and writing practices essential to academic life, including critical reading, writing in response to texts, revision, and editing. As this is an Honors course, the schedule of reading and writing assignments is more challenging than the standard composition course in terms of both pace and content. In keeping with the Honors curriculum guidelines, this course also integrates one or more elements of the La Roche University mission (Global, Intercultural, or Social Justice focus) into its core reading and writing objectives.

Credit Type	**Fixed**
Credits	**3**

ENGL 1012: ACADEMIC WRITING AND RESEARCH

Prerequisite: ENGL1011. This course engages students in reading, writing and research practices essential to academic life, including developing a project for a research paper, searching for authoritative materials to use in that project, and presenting it in an edited paper that follows academic conventions of documentation and citation.

Credit Type	**Fixed**
Credits	**3**

ENGL 1012H: ACADEMIC WRITING AND RES - HONORS

PREREQUISITE: ENGL1011 OR ENGL1011H, GRADE OF C OR BETTER This course engages students in reading, writing and research practices essential to academic life, including developing a project for a research paper, searching for authoritative materials to use in that project, and presenting it in an edited paper that follows academic conventions of documentation and citation. As this is an Honors course, the schedule of reading and writing assignments is more challenging than the standard composition course in terms of both pace and content. In keeping with the Honors curriculum guidelines, this course also integrates one or more elements of the La Roche University mission (Global, Intercultural, or Social Justice focus) into its core reading and writing objectives.

Credit Type	**Fixed**
Credits	**3**

ENGL 1050: METHODS OF TEACHING WRITING:

This is the first in a series of four one-credit courses designed to prepare students to teach academic writing at the secondary or post-secondary levels and/or to work in a secondary or writers center.

Credit Type	**Fixed**
Credits	**1**

ENGL 2002: DRAMATIC LITERATURE

A study of the principal types of drama, consisting of plays selected from ancient to contemporary times and representing a variety of cultures. Depending on availability, students may have the opportunity to attend live theater as part of the class.

Credit Type	**Fixed**
Credits	**3**

ENGL 2004: TOLKIEN

This course emphasizes the careful reading of works of literature by the author J. R. R. Tolkien. Issues to be covered include Tolkien's theories of the fantastic; the mythology underlying his works; the historical contexts in which he wrote; the major themes of his writing; and the enduring influence of his art. The course serves as an introduction to the study of literature for all majors, as well as an opportunity for English majors to expand their knowledge of a major figure in twentieth-century British literature.

Credit Type	**Fixed**
Credits	**3**

ENGL 2008: CONTEMPORARY LITERATURE

PREREQUISITE: ENGL1012 This course is designed to introduce non-majors to literary study through a range of texts from the late 20th century to the present. The focus of the course is to identify and interpret significant thematic and stylistic interests of Western and non-Western contemporary fictions from this period, paying special attention to the various ways of understanding or seeing that characterize the work produced by different cultures or for specific audiences.

Credit Type	**Fixed**
Credits	**3**

ENGL 2010: INTRO TO LITERARY STUDY

PREREQUISITE: ENGL1011 OR ENGL1011H This seminar introduces students majoring in each of the three English programs to the study of literature as an academic discipline. Key literary terms and concepts (genre, style, figurative language, poetics, etc.), central tenets of literary-critical analysis (multiple interpretive strategies, schools of theory, etc.), and basic methodologies of literary study (research techniques, MLA-style documentation, etc.) will be covered. The course will thus prepare English majors at an early point in their careers to enter into the habits of thought and practice characteristic of their chosen field.

Credit Type	**Fixed**
Credits	**3**

ENGL 2012: AMERICAN ETHNIC LITERATURE

A study of writing about American ethnicity. Readings usually include essays, poems, plays and prose fiction.

Credit Type	**Fixed**
Credits	**3**

ENGL 2014: READING LIST PREPARATION

This course prepares English Studies: Literature majors for the three components of the departmental reading list assessment (exam, critical papers, and annotated bibliographies). The course emphasizes critical reading habits, test study and preparation, and the conventions of academic writing.

Credit Type	**Fixed**
Credits	**3**

ENGL 2015: ISSUES AND DEBATES ACROSS CULTURES

Through a critical analysis of primary source Western and non-Western texts and images, classic and contemporary essays, as well as visual arguments from popular culture, students will explore similar and opposing viewpoints on globally-themed problems, debates and issues. The focus of the course is to engage students with topics common to cultures and eras so they will apprehend the global reach of social, political, environmental, and economic phenomena.

Credit Type	**Fixed**
Credits	**3**

ENGL 2016: THE HOLOCAUST IN LITERATURE

This course explores the Holocaust through selected works of literature and film. Topics to be covered include the history and legacy of the Holocaust, the significance of eyewitness testimony and memory, the role of later-generation texts, and the relationship of Holocaust literature and film to contemporary issues. (SLLT)

Credit Type	**Fixed**
Credits	**3**

ENGL 2017: SHAKESPEARE ON FILM

This course is designed to introduce non-majors to literary study through viewing film adaptations of Shakespeare in conjunction with reading the printed texts. By examining the relationship between the texts of the plays and their film interpretations, students will also be able to examine and analyze dramatic genres central to literary study and the study of Shakespeare: tragedies, comedies, histories, and romances. (SLAE)

Credit Type	**Fixed**
Credits	**3**

ENGL 2018: THE FIRE AND THE ROSE: RELIGIOUS

This course is designed especially for the non-English major. It is designed to introduce students to the writing of exceptional religious poetry across cultures and throughout time. This course will also emphasize fundamental principles of English as a discipline, including: attentive and generous readings of texts; the use of primary and secondary sources in interpreting texts; and analysis of both the form and content of a particular genre, in this case, poetry. No prior knowledge of contemporary American poetry is expected. (SLLT)

Credit Type	**Fixed**
Credits	**3**

ENGL 2021: WORLD LITERATURE I

This course emphasizes the careful reading of works of world literature from the Ancient period to the Early Modern era (c. 1600). Issues to be covered include the oral-performative origins of ancient literature; the cultural values and social roles embodied in the literature; and the nature of literary language, genres, and traditions. The course serves as an introduction to the study of literature for all majors, as well as an opportunity for English majors to expand their knowledge of important works of world literature. (SLLT)

Credit Type	**Fixed**
Credits	**3**

ENGL 2022: WORLD LITERATURE II

This course emphasizes the careful reading of works of world literature from the Early Modern era (c. 1600) to the present. Issues to be covered include the relationship of global imperialism to World literary traditions; the rise of literatures of resistance; and the major schools of contemporary literary theory. The course serves as an introduction to the study of literature for all majors, as well as an opportunity for English majors to expand their knowledge of important works of world literature. (SLLT)

Credit Type	**Fixed**
Credits	**3**

ENGL 2025: WRITING POETRY

This course will focus on reading and writing poetry in a variety of forms. The students will be writing poems in response to those which we read and discuss. Poetry assignments will include variety of exercises on technique and craft.

Credit Type	**Fixed**
Credits	**3**

ENGL 2029: BUSINESS COMMUNICATIONS

PREREQUISITE: ENGL1012 OR ENGL1012H This course is designed to teach students best practices in both written and oral business communication. Types of communications include: business letters, emails, reports, executive summaries, cover letters, resumes, PowerPoint presentations, and the job interview.

Credit Type	**Fixed**
Credits	**3**

ENGL 2030: TECHNICAL WRITING

Designed to apply the basic principles of communication to technical information so that the student can learn to present complex technical messages in the clearest possible way.

Credit Type	**Fixed**
Credits	**3**

ENGL 2035: MORAL OF THE STORY

This course addresses prominent global issues and problems through the dual lens of philosophical ethics and literature. The nature of the course is global in its attention to a wide range of issues stemming from globalization, including those pertaining to the environment, society, religion, and politics; it is also interdisciplinary in its employment of both Ethics and World Literature as vehicles for the analysis of such global concerns. Students read selections of classic and contemporary literature by renowned authors and investigate issues of global ethics evoked within the texts. This is accompanied by an examination of basic philosophical theories and principles in moral reasoning as they pertain to the relevant ethical issues.

Credit Type	**Fixed**
Credits	**3**

ENGL 2035H: MORAL OF THE STORY - HONORS

This course addresses prominent ethical issues and controversies found in world literary texts. The nature of the course is interdisciplinary in that it offers students a fundamental grounding in both Philosophical Ethics and World Literature. Students are introduced to classic and contemporary literature by renowned authors. From various works, students then investigate the most critical ethical issues evoked within the texts. This is accompanied by an examination of basic philosophical theories and principles in moral reasoning as they pertain to the relevant ethical issues.

Credit Type	**Fixed**
Credits	**3**

ENGL 2036: AMERICAN MULTICULTURAL LIT

This course emphasizes the careful reading of works of American literature from the early contact period to the Civil War. Issues to be covered include the pervasive influence of cultural contact, slavery, and ethnic diversity on American literary traditions; the quest for distinctively American literary subjects; and the diverse forms of narrative that arose during the nineteenth century. The course serves as an introduction to the study of literature for all majors, as well as an opportunity for English majors to expand their knowledge of important works of American literature.

Credit Type	**Fixed**
Credits	**3**

ENGL 2039: MODERN AMERICAN LITERATURE

This course emphasizes the careful reading of works of American literature from the close of the Civil War to the present. Issues to be covered include the diversity of voices represented in the American literary tradition; the cultural, political, economic, ethnic, and regional contexts within which these literatures were forged; and the transformation of American literary traditions after the Civil War, as represented by such major developments as Realism, Modernism, the New Negro Renaissance, and the growth of ethnic literatures. The course serves as an introduction to the study of literature for all majors, as well as an opportunity for English majors to expand their knowledge of important works of American literature. (SLAE)

Credit Type	**Fixed**
Credits	**3**

ENGL 2040: CREATIVE WRITING

A course designed to stimulate writing in prose and poetry, with emphasis on readings and exercises in craft.

Credit Type	**Fixed**
Credits	**3**

ENGL 2042: SCIENCE FICTION

A study of the science fiction genre from its earliest prototypes to the present. We will situate science fiction within its historical and scientific contexts, focusing on the genre as a vehicle for exploring questions regarding humanity, society, and technology.

Credit Type	**Fixed**
Credits	**3**

ENGL 2043: FILM ANALYSIS: FORM, HISTORY,

PREREQUISITE: ENGL1012 OR ENGL1012H This course will introduce students to the terminology, methodologies, and practice of cinematic analysis. We will approach films as complex, multi-layered texts that can be viewed through diverse, intersecting lenses; beginning with an examination of the form principles of film, we will progress to a consideration of film as historical, cultural, and ideological product, one that both shapes and is shaped by the beliefs and practices of the cultures in which it is generated. Class time will be divided between film viewing and film analysis, the ultimate purpose of the course being to prepare students to become active, critical viewers of film.

Credit Type	**Fixed**
Credits	**3**

ENGL 2045: NATIVE AMERICAN LITERATURE

In this class, we will read selected works of Native American literature (Including political writing, oral literature, autobiography, and contemporary fiction), as well as selected critical works that raise questions about the primary texts: questions of form, definition, and so on. The course is not a survey; though we'll be reading a good number of texts, I've made no attempt to cover the "whole" range of Native American literatures. Not only is that impossible, but the very idea of wholeness is problematic in my eyes, particularly (as we will see) when discussing texts that fall under a heading so historically and theoretically troubles as that of "Native American literatures". What we will do in the class, instead, is employ particular texts as occasions for reflection, descussin, and debate. In this way, eash studnet will have experienced enough of the range, complexity, and significance of Native American literatures to explore the field independently after the class comes to an end.

Credit Type	**Fixed**
Credits	**3**

ENGL 2047: WRITING AND SINGING THE BLUES:

This course is designed especially for the non-English major and explores the fundamental principles of literary and cultural analysis and an overview of the African-American tradition in music: call and response, spirituals, work songs, soul, jazz, rhythm and blues, rap, and gospel music. No prior knowledge of music or literary theory is expected. (SLDD)

Credit Type	**Fixed**
Credits	**3**

ENGL 2050: WRITER'S CENTER;

This is the second in a series of four one-credit courses designed to prepare students to teach academic writing at the secondary or post-secondary levels and/or to work in a secondary or writers' center. This course addresses one-on-one and small group tutorial work in a writers' center.

Credit Type	**Fixed**
Credits	**1**

ENGL 2052: SPORTS WRITING:

This Sports Writing course is designed to teach you how to write live coverage of America?s four major sports: baseball; football; basketball; and hockey. Prerequisites: There are no academic prerequisites for this course, although Journalism I (ENGL3031) is highly recommended.

Credit Type	**Fixed**
Credits	**3**

ENGL 3011: READINGS IN CREATIVE NON-FICTION

This course will provide students with a broad understanding and practical exposure to the craft of contemporary American creative nonfiction, sometimes called literary journalism. Students will read and respond to two anthologies and one book-length work, while acquiring the skills needed to produce their own creative nonfiction works.

Credit Type	**Fixed**
Credits	**3**

ENGL 3012: SPECIAL TOPICS IN COMPOSITION

PREREQUISITE: ENGL1012H OR ENGL1012 These topics courses are writing workshops designed to allow students to write in a particular genre and/or for a designated audience with the support of a publishing writer and the other members of the workshop.

Credit Type	**Fixed**
Credits	**3**

ENGL 3014: WORLD MYTHOLOGY

PREREQUISITE: ENGL1012 OR ENGL1012H A study of myths and mythic patterns in literature from a variety of cultures. Because of the vast quantity of literature involving mythology, the course emphasizes certain themes or patterns, for example, the journey of the hero or heroine, patterns of transformation and mythic motifs.

Credit Type	**Fixed**
Credits	**3**

ENGL 3015: STUDIES IN LITERATURE (SLLT1015)

PREREQUISITE: ENGL1012 OR ENGL1012H THEATER IN THE CITY: Theater in the City is a six-week summer course, which meets on Tuesdays on campus and sees a play on Thursday at one of the city's many theaters. Summer 2012 the planned selections are Noel Coward's "Private Lives" (Pittsburgh Public Theater); Lee Hall's "The Pitman Painters" (Irish and Classical Theater); Maggie Kate Coleman's "Pop" (City Theater); Frank Floyd Hightower's "The House That Carol Built" (Kuntu Repertory Theater); and August Wilson's "Gem of the Ocean" (Pittsburgh Playwrights at the August Wilson Theater). Cross-listed with SLLT1015 WOMEN IN LITERATURE: This course explores the novel as it has been practiced by women writers and examines specific contributions they have made to the novel. It is particularly appropriate to study women writers in the context of the novel form, since historically the rise of the novel occurs concurrently with the emergence of women writers. Each novel will be considered individually as well as in relation to its larger cultural context and to the other novels under study. Authors generally include Mary Wollstonecraft, Virginia Woolf, Kate Chopin, Charlotte Perkins Gilman, Jean Rhys, Alice Walker, Toni Morrison, Amy Tan, Sue Monk Kidd, Linda Hogan, and Katherine Stockett. Cross-listed with SLLT1015 Topics from world literature involving various literary genres and themes. Possible semester topics include: Black Literature, Contemporary Literature, Women in Literature, and Biblical Themes in Literature.

Credit Type	**Fixed**
Credits	**3**

ENGL 3017: IRISH LITERATURE

PREREQUISITE: ENGL1012 OR ENGL1012H A study of Irish literature from Ancient Gaelic times, through the Irish Renaissance and up to contemporary times. Readings, in English, involve a variety of genres: myths, sagas, lyric poems, plays and short stories. Selections will vary but will usually include works by: Synge, Yeats, Lady Gregory, Joyce, O'Casey, Boland, and Heaney.

Credit Type	**Fixed**
Credits	**3**

ENGL 3019: MODERN AMERICAN DRAMA

PREREQUISITE: ENGL1012 OR ENGL1012H A study of selected plays of 20th century American dramatists from Eugene O'Neill to August Wilson. Students will have the opportunity to attend live theater as part of the class.

Credit Type	**Fixed**
Credits	**3**

ENGL 3020: MODERN AMERICAN NOVEL

PREREQUISITE: ENGL1012 OR ENGL1012H A study of major novels from the rise of realism to the present. The course focuses on the work of such established writers as Fitzgerald, Faulkner and Steinbeck, but may include some fiction by contemporary writers.

Credit Type	**Fixed**
Credits	**3**

ENGL 3022: DEVELOPMENT OF ENGLISH NOVEL

PREREQUISITE: ENGL1012 OR ENGL1012H A study of the novel from its beginnings: selected writings demonstrate the development of the novel as an art form, usually including works of Fielding, Austen, Thackeray, C. Bronte, E. Bronte, Dickens, Hardy, Lawrence and Joyce.

Credit Type	**Fixed**
Credits	**3**

ENGL 3023: English Elective

ENGL 3023: SHAKESPEARE

PREREQUISITE: ENGL1012H OR ENGL1012 The reading and analysis of Shakespearean drama. Plays studied may include A Midsummer Night's Dream, Richard II, Measure for Measure, Henry IV, Much Ado About Nothing, As You Like It, Twelfth Night, Othello, King Lear, Macbeth, and The Winter's Tale.

Credit Type	**Fixed**
Credits	**3**

ENGL 3024: LOVE AND WAR OLD AND MEDIEVAL

PREREQUISITE: ENGL1012 OR ENGL1012H Literary works are selected from the genres of epic, romance, lyric and ballad. Selections may include: Beowulf, Troilus and Cressida, Tristan and Isolde, Sir Gawain and the Green Knight, and The Canterbury Tales.

Credit Type	**Fixed**
Credits	**3**

ENGL 3025: RENAISSANCE ENGLISH POETRY

PREREQUISITE: ENGL1012 OR ENGL1012H This course will emphasize the non-dramatic poetry of Sidney, Spenser, Shakespeare, Marlowe, Donne, Jonson, Herbert, Marvell, Vaughan, Aemilia Lanyer, and the short poems of Milton.

Credit Type	**Fixed**
Credits	**3**

ENGL 3027: NINETEENTH CENTURY BRITISH

PREREQUISITE: ENGL1012 OR ENGL1012H A survey of the Romantic poetry of Burns, Blake, Wordsworth, Coleridge, Byron, Shelley and Keats and of the Victorian poetry of Tennyson, Browning, Arnold, the Rossettis, Clough, Hopkins, and Hardy.

Credit Type	**Fixed**
Credits	**3**

ENGL 3028: EARLY 20th CENTURY BRITISH LIT

PREREQUISITE: ENGL1012 OR ENGL1012H A study of British literature written during the first half of the twentieth century. Novels and poems studied may include the works of Conrad, Forster, Woolf, Bowen, Yeats, Eliot, Joyce, Owens and Thomas.

Credit Type	**Fixed**
Credits	**3**

ENGL 3029: LITERARY THEORY AND CRITICISM

PREREQUISITE: ENGL1012 OR ENGL1012H This course will introduce advanced students to literary theory and contemporary methods of literary criticism and research.

Credit Type	**Fixed**
Credits	**3**

ENGL 3031: JOURNALISM I

This is an introductory course in journalistic style and a variety of media formats. Students learn editing, interviewing and reporting skills.

Credit Type	**Fixed**
Credits	**3**

ENGL 3032: JOURNALISM II

PREREQUSITE: ENGL3031 This is an advanced course in newspaper writing, focusing primarily on the production of a variety of news stories. Special emphasis is placed on research, interviewing and advanced reporting skills.

Credit Type	**Fixed**
Credits	**3**

ENGL 3033: AMERICAN ENGL: HISTORY & DEVELOPMEN

PREREQUISITE: ENGL1012 OR ENGL1012H A study of the linguistic evolution of the American English language from the older stages of English to current usage in the United States.

Credit Type	**Fixed**
Credits	**3**

ENGL 3034: WRITING FOR ADVERTISING

This course is designed to teach students how to write advertising copy that targets various audiences and employs multiple venues: print, radio, TV, and the internet.

Credit Type	**Fixed**
Credits	**3**

ENGL 3035: WRITING FOR BROADCAST & SOCIAL MEDI

PREREQUISITE: ENGL1011 OR ENGL1011H A course designed to give students practice in the writing of copy for the broadcast media. Included is the writing of news and sports reports, commercials, features and documentaries, interview techniques, and mini-dramas.

Credit Type	**Fixed**
Credits	**3**

ENGL 3037: ADVANCED EXPOSITION

PREREQUISITE: ENGL1012 OR ENGL1012H An advanced course in essay writing with emphasis on improving writing style. Methods include an examination of professional writings, frequent written assignments, detailed criticism of student's papers and evaluation of revisions to increase writing flexibility and precision.

Credit Type	**Fixed**
Credits	**3**

ENGL 3040: TEACHING LITERATURE I: METHODS

PREREQUISITE: ENGL1012 OR ENGL1012H This first in a two-part sequence of one-credit courses begins the process of preparing students to teach literature at the secondary school level. Students enrolled in these courses will simultaneously be enrolled in a 200-level literature survey; the courses will provide occasion for reflection on and work with the materials and methodologies of the teaching of literature. The sequence thus provides a foundation for theoretical and practical fluency that will be enhanced throughout the English Education curriculum, culminating in Methods of Teaching English and in the Student Teaching experience.

Credit Type	**Fixed**
Credits	**1**

ENGL 3041: TEACHING LITERATURE II: METHODS

PREREQUISITE: ENGL1012 OR ENGL1012H This second in a two-part sequence of one-credit courses begins the process of preparing students to teach literature at the secondary school level. Students enrolled in these courses will simultaneously be enrolled in a 200-level literature survey; the courses will provide occasion for reflection on and work with the material and methodologies of the teaching of literature. The sequence thus provides a foundation for theoretical and practical fluency that will be enhanced throughout the English Education curriculum, culminting in Methods of Teaching English and in the Student Teaching experience.

Credit Type	**Fixed**
Credits	**1**

ENGL 3042: WRITING FOR NON-PROFITS

PREREQUISITE: ENGL1011 AND ENGL1012 (OR ENGL1011H AND ENGL1012H) This course is designed to teach the basic principles of public relations and grant writing for non-profit organizations, combining both theory and practice.

Credit Type	**Fixed**
Credits	**3**

ENGL 3044: SPORTS WRITING

In this course, students will develop an appreciate for the great outdoors and become familiarized with various sports including baseball and football. Sports Writing teaches students how to cover live sporting events and generate their own stores for print and online media following the Associated Press style guidelines.

Credit Type	**Fixed**
Credits	**3**

ENGL 3045: WRITING FICTION

PREREQUISITE: ENGL1011 AND ENGL1012 (OR ENGL1011H AND ENGL1012H) This special topics course enables students to develop the craft of fiction-writing. Subjects to be covered include audience, point of view, characterization, world-building, story arc, dialogue, editing/revising, and publication. Students will develop works of fiction with the support of a publishing writer and the other members of the workshop, and will be provided guidance in submitting polished works for possible publication.

Credit Type	**Fixed**
Credits	**3**

ENGL 3047: THEATER IN THE CITY

This course is designed to teach students the basic components of theater, and to experience various plays being performed in Pittsburgh. It will also examine the history of many of the local theaters in the city. Cross-listed with SLLT1029

Credit Type	**Fixed**
Credits	**3**

ENGL 3050: GENRE; METHODS OF TEACHING

PREREQUISITE: ENGL1012H OR ENGL1012 This is the third in a series of four one-credit courses designed to prepare students to teach academic writing at the secondary or post-secondary levels and/or to work in a secondary or writers' center.

Credit Type	**Fixed**
Credits	**1**

ENGL 3051: PUBLICATION DESIGN

This course combines the two elements that result in publication: writing and layout. Intended for prospective designers as well as writers, the course will educate students in how words and images work together; functional art in action; font and publication personalities; logo design; newspaper and magazine design; public service publications; newsletters; and the art of popular culture.

Credit Type	**Fixed**
Credits	**3**

ENGL 3064: WRITING CREATIVE NONFICTION

PREREQUISITE: ENGL1011/H AND ENGL1012/H AND ENGL3011 AND ENGL3031 AND ENGL3032 This course expands upon the material taught in Journalism I, Journalism II, and Readings in Creative Nonfiction by inviting students to produce multiple creative nonfiction pieces about, but not limited to, people, places, things, and personal essays.

Credit Type	**Fixed**
Credits	**3**

ENGL 3065: WOMEN IN LITERATURE

This course explores the novel as it has been practiced by women writers as well as the specific contributions they have made to the novel. It is particularly appropriate to study women writers in the context of the novel form, since historically the rise of the novel occurs concurrently with the emergence of women writers. Each novel will be considered individually as well as in relation to its larger cultural context and to the other novels under study.

Credit Type	**Fixed**
Credits	**3**

ENGL 4035: PORTFOLIO PRODUCTION WORKSHOP

This course will teach senior Professional Writing and Journalism majors how to produce a professional portfolio of their work within an eight-week workshop format.

Credit Type	**Fixed**
Credits	**3**

ENGL 4040: SPECIAL TOPIC IN LITERATURE

PREREQUISITE: ENGL1011 OR ENGL1011H The "Special Topics" designation covers a range of courses with varying content or "subject" matter but with the common objective of providing non-majors with an opportunity to learn the fundamental principles of literary analysis.

Credit Type	**Fixed**
Credits	**3**

ENGL 4050: SEQUENCING AND ASSESSMENT;

PREREQUISITE: ENGL1012 OR ENGL1012H This is the fourth in a series of four one-credit courses designed to prepare students to teach academic writing at the secondary or post-secondary levels and/or to work in a secondary or writer' center.

Credit Type	**Fixed**
Credits	**1**

ENGL 4051: INTERNSHIP I @

A field experience in selected professional environments. The student is given the opportunity to integrate theoretical knowledge with practical application under the guidance of professionals at the particular institution to which the student is assigned.

Credit Type	**Variable**
Credits	**1-6**

ENGL 4052: INTERNSHIP II - ENGLISH

A field experience in selected professional environments. The student is given the opportunity to integrate theoretical knowledge with practical application under the guidance of professionals at the particular institution to which the student is assigned.

Credit Type	**Variable**
Credits	**1-6**

ENGL 4054: SEMINAR IN PUBLICATION

PREREEQUISITE: ENGL1012H OR ENGL1012 This senior capstone course equips students with the tools, practices, and habits of mind of the publishing writer. Students will develop a written work in their preferred genre - short fiction, poetry, literary scholarship, creative nonfiction, journalistic prose, etc. - and seek publication in an appropriate market. While attaining publication is not a requirement of the course, students will use the process to acquire familiarity with the resources, strategies, and standards fundamental to publication in their chosen field.

Credit Type	**Fixed**
Credits	**3**

ENGL 4055: SEMINAR IN PUBLICATION

PREREQUISITE: ENGL1012 OR ENGL1012H This senior capstone course equips students with the tools, practices, and habits of mind of the publishing writer. Students will develop a written work in their preferred genre?short fiction, poetry, literary scholarship, creative nonfiction, journalistic prose, etc.?and seek publication in an appropriate market. While attaining publication is not a requirement of the course, students will use the process to acquire familiarity with the resources, strategies, and standards fundamental to publication in their chosen field.

Credit Type	**Fixed**
Credits	**3**

ENGL 4056: DIRECTED RESEARCH - ENGLISH

Individual investigation in the student's field of interest carried out under the supervision of a faculty member. The student is responsible for defining a problem, planning a course of investigation and reporting the results in a critical paper accompanied by an annotated bibliography.

Credit Type	**Fixed**
Credits	**2-4**

ENGL 4057: INDEPENDENT STUDY - ENGLISH

Individual study course that is supervised by a full-time faculty member.

Credit Type	**Variable**
Credits	**0-6**

ENGR 0022: Materials Structure & Properties

Credits	**4**

ENGR 0135: Statistics & Mechanics of Materials 1

Credits	**4**

ESLN 0070: GENERAL ENGLISH-READING+++

Courses in the General English track are designed for adult English language learners who need to improve their English language abilities in everyday, social, academic, and professional situations within U.S. cultural framework. Students will also practice and engage in reading and writing using different genres and experiences, using general and academic vocabulary. These courses will help students to develop strategies to extend their language learning outside of the classroom through fun but challenging theme based information.

Credit Type	**Fixed**
Credits	**4**

ESLN 0071: GENERAL ENGLISH-WRITING+++

Courses in the General English track are designed for adult English language learners who need to improve their English language abilities in everyday, social, academic, and professional situations within U.S. cultural framework. Students will also practice and engage in reading and writing using different genres and experiences, using general and academic vocabulary. These courses will help students to develop strategies to extend their language learning outside of the classroom through fun but challenging theme based information.

Credit Type	**Fixed**
Credits	**4**

ESLN 0072: GENERAL ENGLISH-SPEAKING+++

Courses in the General English track are designed for adult English language learners who need to improve their English language abilities in everyday, social, academic, and professional situations within U.S. cultural framework. Students will improve their fluency in speaking and increase their listening comprehension of conversational interactions and extended discourse. Classroom activities will simulate authentic communicative tasks relevant to students' lives. These courses will help students to develop strategies to extend their language learning outside of the classroom through fun but challenging theme based information.

Credit Type	**Fixed**
Credits	**4**

ESLN 0073: GENERAL ENGLISH-GRAMMAR+++

Courses in the General English track are designed for adult English language learners who need to improve their English language abilities in everyday, social, academic, and professional situations within U.S. cultural framework. These courses will help students to develop strategies to extend their language learning outside of the classroom through fun but challenging theme based information.

Credit Type	**Fixed**
Credits	**4**

ESLN 0074: GENERAL ENGLISH-LISTENING+++

Courses in the General English track are designed for adult English language learners who need to improve their English language abilities in everyday, social, academic, and professional situations within U.S. cultural framework. Students will improve their fluency in speaking and increase their listening comprehension of conversational interactions and extended discourse. Classroom activities will simulate authentic communicative tasks relevant to students' lives. These courses will help students to develop strategies to extend their language learning outside of the classroom through fun but challenging theme based information.

Credit Type	**Fixed**
Credits	**4**

ESLN 0085: LISTENING & NOTETAKING: FOUNDATIONS

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire listening skills in English as a Second Language at the “Novice-Low” to “Novice-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their listening skills through practice with level-appropriate listening activities, prepared and authentic listening texts, discussions on related topics, and Internet and multimedia resources. This course does not apply toward graduation credit requirements.

Credit Type	**Fixed**
Credits	**4**

ESLN 0086: READING & ANALYSIS: FOUNDATIONS

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Novice-Low” to “Novice-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements.

Credit Type	**Fixed**
Credits	**4**

ESLN 0087: ANALYTICAL WRITING: FOUNDATIONS

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Novice-Low” to “Novice-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. This course does not apply toward graduation credit requirements.

Credit Type	**Fixed**
Credits	**4**

ESLN 0088: ORAL FLUENCY: FOUNDATIONS

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Novice-Low” to “Novice-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements.

Credit Type	**Fixed**
Credits	**4**

ESLN 0089: GRAMMATICAL ACCURACY: FOUNDATIONS

This course is a part of a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the "Novice-Low" to "Novice-High" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements.

Credit Type	**Fixed**
Credits	**4**

ESLN 0090: CRITICAL READING & ANALYSIS I

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the "Novice-High" to "Intermediate-Low" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University's ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0091: ANALYTICAL WRITING I

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the "Novice-High" to "Intermediate-Low" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University's ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0092: ORAL FLUENCY I

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the "Novice-High" to "Intermediate-Low" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University's ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0093: GRAMMATICAL ACCURACY I

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Novice-High” to “Intermediate-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0094: LISTENING & NOTETAKING I

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire listening skills in English as a Second Language at the “Novice-High” to “Intermediate-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their listening skills through practice with level-appropriate listening activities, prepared and authentic listening texts, discussions on related topics, and Internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0100: CRITICAL READING & ANALYSIS II

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0101: ANALYTICAL WRITING II

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. Instruction also includes a focus on drafting, editing, and proofreading texts. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0102: ORAL FLUENCY II

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0103: GRAMMATICAL ACCURACY II

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0104: LISTENING & NOTETAKING II

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop listening skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Services (ETS). Students will increase their listening skills through practice with level-appropriate listening and note-taking activities, authentic listening texts, discussions on related topics, and Internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0105: CRITICAL READING & ANALYSIS III

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0106: ANALYTICAL WRITING III

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. Instruction also includes a focus on drafting, editing, and proofreading texts. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0107: ORAL FLUENCY III

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0108: GRAMMATICAL ACCURACY III

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 0120: LISTENING & NOTETAKING III

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire listening skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their listening skills through practice with level-appropriate listening and note-taking activities, authentic listening texts, discussions on related topics, and Internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1009: CRITICAL READING & ANALYSIS IV

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1010: ANALYTICAL WRITING IV

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. Instruction also includes a focus on writing for different genres, and drafting, editing, and proofreading texts. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1011: ORAL FLUENCY IV

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1012: GRAMMATICAL ACCURACY IV

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1013: INTENSIVE READING

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the "Advanced-Mid" to "Advanced-High" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: Advanced ESL courses (ESLN1009, ESLN1010, ESLN1011, ESLN0113, and ESLN1030) or placement through La Roche University's ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1014: INTENSIVE WRITING

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the "Advanced-Mid" to "Advanced-High" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. Instruction also includes a focus on writing for different genres, and drafting, editing, and proofreading texts. This course does not apply toward graduation credit requirements. Pre-requisites: Advanced ESL courses (ESLN1009, ESLN1010, ESLN1011, ESLN0113, and ESLN1030) or placement through La Roche University's ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1015: INTENSIVE SPEAKING

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the "Advanced-Mid" to "Advanced-High" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: Advanced ESL courses (ESLN1009, ESLN1010, ESLN1011, ESLN0113, and ESLN1030) or placement through La Roche University's ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 1030: LISTENING & NOTETAKING IV

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop listening skills in English as a Second Language at the "Advanced-Low" to "Advanced-Mid" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Services (ETS). Students will increase their listening skills through practice with level-appropriate listening and note-taking activities, authentic listening texts, discussions on related topics, and internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University's ESL placement test.

Credit Type	**Fixed**
Credits	**4**

ESLN 4057: ENGLISH SECOND LANG INDEP STUDY

Independent study for non-native speakers of English who have demonstrated a commitment to further study of English writing skills and techniques and/or English reading skills and vocabulary. The student will complete independent study in conjunction with the appropriate ESL faculty.

Credit Type	**Fixed**
Credits	**1-4**

EXSP 2014: KINESIOLOGY (HSCU2014)

PREREQUISITE: BIOL1024 Kinesiology is an introductory course for students pursuing a clinical or non-clinical health sciences major. The course also introduces students to the four subdisciplines of Kinesiology comprising 1. Physiology, 2. Psychology, 3. Motor learning, and 4. Biomechanics. The course is intended for students with career interests in human movement as it relates to motor performance, activities of daily living, physical fitness and sports related activities.

Credit Type	**Fixed**
Credits	**3**

EXSP 2015: SOCIAL & POLITICAL ASPECTS OF

This course will provide students an opportunity to discover social, political and cultural aspects that impact one's ability to engage in healthy behaviors including regular physical activity and healthy nutrition. Students will learn not only how individual choices influence one's decision to engage in healthy behaviors, but also the institutional, environmental and political forces that are involved. Cross-listed with HSCU2015

Credit Type	**Fixed**
Credits	**3**

EXSP 3005: MOTOR LEARNING, CONTROL AND

PREREQUISITE: PSYC1021, BIOL1024, BIOL1024L This course is designed to introduce students to the theoretical differences and application in motor skill development across the life span. Topics will include motor learning, motor control and motor development experienced during growth and development and used in physical activity, exercise, and sport performance. (HSCU3005)

Credit Type	**Fixed**
Credits	**3**

EXSP 3007: BIOMECHANICS (HSCU3007)

PREREQUISITE: MATH1010, BIOL1024, BIOL1024L This course is a study of the science of human movement and will provide students the understanding and analysis of structure and mechanical functioning of human movement and motor skills used for physical activity, exercise, and sports performance. Cross-listed with HSCU3007

Credit Type	**Fixed**
Credits	**3**

EXSP 3025: EXERCISE PHYSIOLOGY AND SPORTS

PREREQUISITE: BIOL1024 AND BIOL1024L This course is designed to introduce students to the basic principles Sports Nutrition and Exercise Physiology with an emphasis on wellness promotion throughout life.

Credit Type	**Fixed**
Credits	**3**

EXSP 3025L: EXERCISE PHYSIOLOGY - LABORATORY

A series of laboratory applications related to the content of HSCU3015 Exercise Physiology and Sport Nutrition will emphasize the assessment and testing of various types of exercise and energy metabolism during physical activity, exercise, and sports performance. Students will learn to assess and evaluate body typing and body composition. Prereqs: BIOL1024 & BIOL1024L & HSCU3014

Credit Type	**Fixed**
Credits	**1**

EXSP 3028: SPECIAL TOPIC

See specific section for topic.

Credit Type	**Fixed**
Credits	**3**

EXSP 3030: FITNESS TESTING & EXERCISE PRESCRIP

PREREQUISITE: HSCU3025 AND EXSP3025 This class will provide students an opportunity to learn in both lecture and hands-on approaches about a variety of common fitness tests related to cardiovascular and muscular fitness and flexibility. Students will also learn the principles of exercise prescription for healthy adults, and modifications for apparently healthy children and older adults. Cross-listed with HSCU3030

Credit Type	**Fixed**
Credits	**3**

EXSP 4003: STRENGTH AND CONDITIONING

PREREQUISITE: HSCU3025, EXSP3025, HSCU3007, EXSP3007 This course is designed for students to learn and apply the theory and principles of strength and conditioning based from the study of kinesiology, exercise physiology, motor learning, motor control motor development, and biomechanics. Students will be able to design individual strength and conditioning protocols for physical activity, exercise, and sport performance activities. Cross-listed with HSCU4003

Credit Type	**Fixed**
Credits	**3**

EXSP 4005: CLINICAL EXERCISE PHYSIOLOGY

PREREQUISITE: HSCU3025, EXSP3007, EXSP3025, EXSP3007 This course will provide students the knowledge base to understand the impact and limitations of chronic disease and special populations on activities of daily living (ADL), physical activity, and exercise. Students will be able to assess, evaluate, and prescribe individual exercise protocols to individuals diagnosed with conditions such as heart disease, hypertension, obesity, diabetes, respiratory disorders, asthma, arthritis, and cancer. Cross-listed with HSCU4005

Credit Type	**Fixed**
Credits	**3**

EXSP 4051: Exercise & Sports Science - Internship I

Credit Type	**Variable**
Credits	**1-6**

EXSP 4052: Exercise & Sports Science - Internship II

Credits	**3**

FILM 1020: FILM PRODUCTION I

This introductory production class gives students the foundation for creating films. We will cover the basic use of a digital camera (Sony a6000), camera exposure for filmmaking along with the basics of camera shots, angles, and movement. Additionally, the course covers introductory levels of filmmaking for lights (3-point lighting set-ups, C-stands, clamps, flags, cutters, color temperature/gels),sound (portable recording; single & double system recording), and editing (Adobe Premiere Pro, including titles and basic effects and color tools). Students will learn chroma keying/green screen production and lighting for green screen. In the class, we create short films to demonstrate how these basic filmmaking tools are used to tell stories, influence emotions and connect to people through sound and images. Students will draw upon their experiences in Intro to Film & Visual Storytelling to craft a short individual film project (2-3 minutes). They will also work in small groups to produce a short film of any type (3-5 minutes).

Credit Type	**Fixed**
Credits	**3**

FILM 1025: FILM AND VISUAL STORYTELLING

The course provides a basic introduction to the world of film, including a brief history and the technology and tools that have made film possible. The course though is focused primarily on film as the arrangement of images into something we call a story. Together we examine the process of telling stories with moving images - that is how to craft a story in relation to composition, color, sound, and editing. We explore two main film genres, narrative and documentary, and discuss how storytelling is fundamental to them. For narrative film we examine dramatic storytelling aspects such as mise-en-scčne, concept, character, theme, plot, and dialog. In documentary film we explore how filmmakers can incorporate strong, often character-driven stories that also have a beginning, middle and end. We look at how they can raise issues with much at stake, offer rising tensions, and still utilize a narrative arc that keeps viewers actively engaged. We look also at experimental/avant-garde films, that is non-narrative forms of filmmaking, which focus on movement, rhythm, and composition, because ideas and techniques from this genre have and continue to influence story-based filmmaking.

Credit Type	**Fixed**
Credits	**3**

FILM 2010: INTERNATIONAL FILM HISTORY

In this course we analyze film style across a selection of international films from diverse regional, national and local contexts. We connect the threads of world cinema, asking students to compare and contrast a work from one time and place to any number of its geographically distant offspring. Major international films encourage us to reconsider what cinema is and how new ideas, feelings, and worlds come into being. As such, we study and analyze films from India, Canada, Sweden, Nigeria, South Korea, Britain, France, Italy, Germany, Japan, China and more. We compare and contrast styles along the way. We also explore broader questions about the usefulness of working in a globally-identifiable film style.

Credit Type	**Fixed**
Credits	**3**

FILM 2015: FILM THEORY AND ANALYSIS

This course provides an introductory overview to film theory and methods of film analysis. We explore the interaction between a film's subject and style to reach an informed analysis of cinematic aesthetics. We explore how cinema functions as a medium, art form and practice, institution, and how cinema signifies (e.g. communicates, produces meanings, and constructs itself as a language). There are a range of critical methods for the study of media texts: realism, formalism, auteur theory, theories of spectatorship and reception, feminism, queer theory, Marxist film theory, cultural studies, postcolonialism, among many others. Through analysis and examination of major areas of film theory and criticism, this course helps students become informed, critically engaged readers/viewers of global media texts and practices. Preg: FILM1025

Credit Type	**Fixed**
Credits	**3**

FILM 2020: FILMMAKING FOR SOCIAL CHANGE

In this course, we will explore how filmmakers across time and place have chosen to create films for social change. We will link to this and discuss as part of the Mission of La Roche University. Documentary films, immersive virtual and augmented reality, participatory filmmaking, installation films, and other creative media experiences will be explored and analyzed in this context - with special consideration of their strategic communication campaigns and in recent eras an online presence. The class will also explore important concepts relative to these products such as advocacy, bias and manipulation. Students will work in teams to create a film proposal for a documentary that advocates for positive social change, and identify relevant film festivals for submission.

Credit Type	**Fixed**
Credits	**3**

FILM 2025: WRITING THE TELEVISION PILOT

This course provides a foundational understanding of the key elements of TV pilot writing, from the establishment of theme and tone, to the utilization of five-act structure and effective use of scene transitions. Through the process of story breaking, beat sheet creation, and outline writing, each participant will develop their own original pilot, culminating in the completion of a first working draft. Emphasis will be placed on character development, effective dialogue, world building, story conflict, and plot reversal.

Credit Type	**Fixed**
Credits	**3**

FILM 2030: FILM PRODUCTION II

In this course students learn more in-depth aspects of digital camera operations, including using an advanced digital camera (Sony a7iii) and learning how to produce specialty camera movements with training on a DJI-Ronin S. Students are also introduced to more advanced levels of lighting (light meters, Flex-Fill, Bounce Boards, high-key and low-key lighting), sync sound (with lavalier, camera mounted, and shotgun microphones), basics of sound design and audio mixing (in Adobe Audition), and more advanced digital editing (e.g., special effects, color correcting). Students will work in groups to create a short documentary (5-8 minutes) focused on an issue related to positive social change (applying what they learned in the previous semester in Filmmaking for Social Change). Students will also draw upon all technical skills from Film Production I for films produced this semester. Some hours will be required of students to join productions in the Film Production IV course (offered same semester). Prereq: FILM1020

Credit Type	**Fixed**
Credits	**3**

FILM 2035: DRONES FOR PHOTO AND FILM

UAV (Unmanned Aerial Vehicle) or "drone" technology is radically expanding the range and mobility of the camera for photography and video. In this course, the student will learn how to assemble and set up a UAV for flight, learn how to fly a multi-copter type UAV, and practice shooting effective moving and still images. Topics covered will include: specific components of the UAV, cameras and camera stabilization systems. In addition to the equipment used, subject matter will include legal requirements and ramifications, flying to get the shot, and proper protocol for flying in public. Safety will be stressed throughout the semester.

Credit Type	**Fixed**
Credits	**3**

FILM 2040: DIGITAL CONTENT CREATION

This course prepares students to utilize the tools of storytelling and visual structure to create digital content across media platforms. Looking for and creating an audience, using creative and quality means of expression, using social media for promotion, monetizing content, and evaluating products will be covered as part of the class. Students will explore different social media platforms, and analyze how to produce content for them, and pivot to new emerging mediums. Students will create a complementary platform of social media, including Instagram and a YouTube Channel as part of the class experience. Students will develop skills in media production, behavioral studies, and digital storytelling so they can develop engaging digital content for a range of platforms.

Credit Type	**Fixed**
Credits	**3**

FILM 2045: INTRO TO SCREENWRITING

This course is designed to introduce basic screenplay structure and formatting and prepare students to thoughtfully embark on their own writing practice. Students will read, view, and discuss examples of great screenwriting from contemporary and classic films. This course will also touch on the basics of character development and plot structure and is appropriate for writers of various levels. An original full length screenplay will be completed by the end of the semester, in addition to other writing exercises and assignments.

Credit Type	**Fixed**
Credits	**3**

FILM 2050: INTRODUCTION TO SOUND

PREREQUISITE: FILM1020 In this course, students learn audio skills in order to create and capture audio for film and the visual image. Students will additionally learn sound theory, and are introduced to sound characteristics, microphone types and usage, basic acoustical principles, basic sound design objectives. Class focuses on the elements of sound: dialog, voice-over, sound effects and music and their impact on the visual image. Through industry standard location and studio recording techniques, students are responsible for acquiring, editing, enhancing, processing, mixing, and synchronizing sound for production and post-production sound.

Credit Type	**Fixed**
Credits	**3**

FILM 2055: ACTING FOR DIRECTORS

In this course students will uncover the essentials they need to know and understand to confidently work with or as actors in the film industry. Students will gain a basic understanding of how actors interact with other film professionals in the industry as well as how to pursue a career in acting. They will also learn some fundamentals of acting. Industry professionals will join class throughout the semester to bring relevant real-world knowledge, perspective, and mentoring to the course. Students can expect a highly interactive environment of open discussion and role-playing to help them step into their first professional film set with confidence about how to interact with actors or as an actor themselves.

Credit Type	**Fixed**
Credits	**3**

FILM 3015: FILM PRODUCTION III

In this class students will increase the production value of their filmmaking skills. Students will work more in-depth with advanced lighting (such as light a moving subject, utilize negative fill, color) and sound (including how to design atmospheric sound to enhance their storytelling). The class will also advance student editing skills with training in Adobe After Effects and include a focus on color grading. The class emphasizes the role of a Director and students will begin working with actors and produce a short narrative film (8-12 minutes) by further developing and applying skills they have learned from Film Production I & II. We will apply what they learned about film aesthetics in Film Theory & Analysis and incorporate Creative Writing both taken in the previous semester. Basics in screenwriting will be covered so we can produce a short narrative screenplay early in the semester.

Credit Type	**Fixed**
Credits	**3**

FILM 3020: SERVICE FILM PROJECT

PREREQUSITE: FILM3015 In this course, students will create a short "service film" for a non-profit group or organization (off-campus) or a group or program (on campus). Students should strive to find an organization that generally can not afford tcreate such media. The film should be between 2 to 4 minutes in length (exceptions are possible but must be approved in advance by the instructor).

Credit Type	**Fixed**
Credits	**1**

FILM 4010: CLIENT-BASED FILM PRODUCTION

PREREQUSITE: FILM3015 In this class students will learn production skills at an advanced level with an emphasis on learning how to be a film producer. Additionally, students will produce short films in collaboration with a non-profit partner. We will also examine dealing with stock footage and music rights, legal and ethical considerations, and distribution options. Students will draw upon all skills from Film Production 1-3 for films produced this semester.

Credit Type	**Fixed**
Credits	**3**

FILM 4045: FILM CAPSTONE PRE-PRODUCTION

In this course, students will conceive, research, and plan their senior capstone film projects. Students take this 1-credit course prior to the 3-credit Film Capstone Project taken the following semester. Students will develop and revise narrative scripts or documentary treatments, receiving feedback from the professor and students in the class. Students will also seek input on their project from at least 2 other film professionals. Students will plan and prepare all aspects of pre-production for a comprehensive film project.

Credit Type	**Fixed**
Credits	**1**

FILM 4050: SPECIAL TOPICS IN FILM:

PREREQUISITE: GCDN3046

Credit Type	**Fixed**
Credits	**1-3**

FILM 4051: INTERNSHIP I @

A practical work experience in a field setting. The student receives credits for work performed.

Credit Type	**Variable**
Credits	**1-6**

FILM 4055: FILM CAPSTONE PROJECT

This course allows students to design and complete a film project in an area of their choice. The film project should bring multiple elements into a substantial film and draw upon all of their courses and experiences to date at La Roche University. Film requires faculty approval and regular meetings with the film capstone committee (made up of 2 La Roche University faculty/staff and a local film professional/scholar). All graduating film major seniors will take this course together. This will allow for a workshop and critique environment, helping students further move their filmmaking forward.

Credit Type	**Fixed**
Credits	**3**

FILM 4058: FILM PORTFOLIO

The main focus of the course is to provide instruction and guidance for students as they prepare a professional film portfolio. In consultation with faculty and peers, students will revise and improve upon prior and current projects in order to develop a strong portfolio. Additionally, the course involves the exploration of self-promotion strategies necessary for success in the film profession, including how to run a small film business. Through instruction and research, students will learn techniques for effective verbal and visual presentation of their work. This course will prepare graduates for the job market and continued education.

Credit Type	**Fixed**
Credits	**3**

FINC 3031: INVESTMENTS

PREREQUISITE: ACCT2004 This course introduces the securities markets and examines the three traditional asset classes of cash, fixed income, and equity. Topics include modern portfolio theory, the relationship between risk and return, efficient markets, technical analysis, behavior finance, and ratio analysis.

Credit Type	**Fixed**
Credits	**3**

FINC 3032: FINANCIAL MANAGEMENT

PREREQUISITE: ACCT2004 This course introduces external sources and processes of finance. Topics include time value of money, term structure of interest rates, risk return trade-off, discounted cash flow, ratio analysis, weighted average cost of capital, and capital budgeting.

Credit Type	**Fixed**
Credits	**3**

FINC 3034: COMMERCIAL BANK MANAGEMENT

PREREQUISITE: FINC3032 This course provides an in-depth review of all aspects of commercial banking including their role within the economy and how the U.S. regulatory structure and risk factors impact operating performance. Topics include bank structure, regulations, managing interest and non-interest income, and managing interest rate, credit, and liquidity risks.

Credit Type	**Fixed**
Credits	**3**

FINC 3036: FINANCIAL INSTITUTIONS

PREREQUISITE: ADMG1005 AND ACCT2004 This course will provide an understanding of various types of financial markets and institutions that exist and operate in the U.S. economy. Topics include the Federal Reserve System, Monetary Polcy, and Interest Rates along with the impact at all three have on the state of the economy.

Credit Type	**Fixed**
Credits	**3**

FINC 3040: RISK MANAGEMENT AND INSURANCE

PREREQUISITE: FINC3032 AND MATH1040 This course will provide an understanding of the insurance industry that operates within the U.S. economy. Topics include the types of insurance, regulation, and risk-handling tehcniques such as diversification and hedging.

Credit Type	**Fixed**
Credits	**3**

FINC 4020: SIE AND SERIES 7 PREP PROGRAM

SIE & Series 7 Prep Program will cover topics related to the SIE (Securities Industry Essentials) exam and the Series 7 exam. Both exams are required to earn a General Securities Representative Exam license. Students are eligible to take the SIE exam prior to graduation, whereas sponsorship employment is required to sit for the Series 7 exam. On-line course materials provided by Securities Training Corporation will be available to the student up to one year after completion of the course. SIE portion of the license is valid for four years. All business majors are eligible for this course. This course is not affiliated with FINRA, the SIE and Series 7 exam provider, and does not exempt students from the examination eligibility requirements.

Credit Type	**Fixed**
Credits	**3**

FINC 4025: FI-SOLVE APPLIED INVESTMENTS

PREREQUISITE: FINC3031 --or-- FINC3032 --or-- FINC4020. Fi-SOLVE Applied Investments (Finance Student Operated Laboratory Venture) is an interactive experience where students collaborate as portfolio managers to construct and manage a portfolio of funds provided by La Roche University, Academic Affairs. Additionally, students will study an alternative asset class and explore an advanced topic within the investments arena.

Credit Type	**Fixed**
Credits	**3**

FINC 4033: INTERMEDIATE FINANCIAL MANAGEMENT

PREREQUISITE: FINC3032 The course will reinforce and extend the principles and concepts introduced in FINC3032 - Financial Management. Topics include corporate valuation, working capital managment, and strategics decision making, along with the decisions faced by corporate managers as they assess the value of various investment and financial strategies.

Credit Type	**Fixed**
Credits	**3**

FINC 4039: REAL ESTATE FINANCE

PREREQUISITE: FINC3032 This course examines both residential and commerical real estate sectors. Topics include fixed and alternative mortgage instruments, federal regulation, secondary mortgage market, loan sizing, and commercial real estate valuation.

Credit Type	**Fixed**
Credits	**3**

FINC 4051: INTERNSHIP I @

A field experience in a finance position, supervised by a field instructor as well as college faculty. The internship is designed to increase understanding of finance and the finance-related issues and perspectives as they relate to the business environment.

Credit Type	**Variable**
Credits	**1-6**

FINC 4052: INTERNSHIP II @

A field experience in a finance position, supervised by a field instructor as well as college faculty. The internship is designed to increase understanding of finance and the finance-related issues and perspectives as they relate to the business environment.

Credit Type	**Variable**
Credits	**1-6**

FNPC 6000: ADVANCED PATHOPHYSIOLOGY

The focus of this course is on pathophysiological alterations. Emphasis is placed on abnormal changes that occur in body systems and the development of disease. Consideration of the relationship between genetics, epigenetics, the environment, and pathology are explored.

Credit Type	**Fixed**
Credits	**3**

FNPC 6005: HEALTH PROMOTION & DISEASE PREVENTI

This course is designed to illuminate the role of the nurse practitioner as a provider of primary health care to clients and their families. Course content centers on promotion of health, prevention of illness, and management of health- illness situations of families within varied environmental contexts. Particular focus is placed on disparity in health care and the challenge this presents for the family nurse practitioner. The significance of research findings influencing primary care is explored and evaluated to determine the applicability to advanced nursing practice.

Credit Type	**Fixed**
Credits	2

FNPC 6010: ADVANCED PHARMACOLOGY

This course provides the opportunity for students to acquire advanced knowledge and skills in the pharmacologic treatment of commonly encountered health problems. The role of the advanced practice nurse in collaboration with health team members in providing safe and effective drug therapy will be explored. Special emphasis will be placed on the role of the Family Nurse Practitioner and prescriptive privilege. The principles of pharmacodynamics, pharmacokinetics, pharmacogenetics, and pharmacogenomics as well as adverse drug reactions will be incorporated in the decision-making process to assess and monitor drug therapy and to teach patients safe and effective medication administration. The effects of culture, ethnicity, age, pregnancy, gender and economics on pharmacologic therapy will be emphasized. Assessment of the use of herbal and nutritional supplements, nutraceutical, and over-the-counter drugs on prescribed therapies will be addressed. In addition, current issues in drug therapy will be discussed such as the role of the advanced practice nurse in the current opioid epidemic and the use of medical marijuana.

Credit Type	**Fixed**
Credits	3

FNPC 6015: COMP HEALTH ASSES & CL DECIS MAKING

This course focuses on performing a comprehensive health assessment on patients throughout the lifespan and communicating the assessment findings to members of the multi-disciplinary health care team The course builds on knowledge of anatomy, physiology, pathophysiology, pharmacology, and health assessment skills previously attained in undergraduate nursing education Emphasis is placed on the collection, interpretation, and synthesis of relevant historical, genetic, biological, cultural, psychosocial and physical data for the development of a comprehensive and holistic health assessment Evidence based practice concepts related to health promotion/disease prevention are applied Diagnostic reasoning skills are developed to determine health and risk status, develop health promotion/ disease prevention strategies, and establish priorities of care Post-Masters Family Nurse Practitioner Certificate program students will obtain 15 hours of assessment experience in the simulation center, focusing on both normal and abnormal findings.

Credit Type	**Fixed**
Credits	3

FNPC 6020: DIAGNOSIS & MANAGEMENT OF ADULTS I

This course builds on the concepts from the prerequisite courses to develop the role of the nurse practitioner in promoting health and managing common acute and chronic health conditions in adults Adaptations in health assessment, management of common acute and chronic conditions, and health promotion based upon developmental and ethnocultural considerations are emphasized The interaction of individual, family, and environment are studied from the perspective of nursing and other health-related theories.

Credit Type	**Fixed**
Credits	3

FNPC 6020P: DIAGNO & MGMT OF ADULTS I: PRACTICU

This practicum is designed to guide students in developing the basic competencies of the nurse practitioner in the care of adults experiencing acute and chronic health conditions. Students will utilize skills of critical thinking, logical reasoning, and sound diagnostic judgement in generating clinical decisions and directing care. Students will gain skill in all aspects of diagnosis, therapeutics, and management as required of a competent primary care practitioner. Supervision in this practicum will be provided by nurse practitioner and physician preceptors, under the guidance and oversight of faculty. Students will arrange clinical hours with preceptors as mutually acceptable. If the student is unable to meet with the preceptor at an established time, the student will notify the preceptor as soon as possible to avoid any disruption and to arrange alternative clinical hours. Students are required to obtain a minimum of 200 practicum hours for this course.

Credit Type	**Fixed**
Credits	2

FNPC 6025: DIAGNOSIS & MGMT OF WOMEN & CHILDRE

This course builds on the concepts of family health nursing in exploring the role of the nurse practitioner in women?s health and pediatrics. The course focuses on conditions specific to women?s health, the parent-child experience during pregnancy and birth, and conditions specific to children from infancy through adolescence. Particular attention is placed on the developmental changes of children and their impact on the acute and chronic health conditions most frequently encountered in the primary care setting.

Credit Type	**Fixed**
Credits	3

FNPC 6025P: DIAG & MGMT OF WOMEN/CHILD PRACTICU

This practicum is designed to guide students in developing the basic competencies of the nurse practitioner in the care of women and children in the primary care setting. Students will utilize skills of critical thinking, logical reasoning, and sound diagnostic judgement in generating clinical decisions and directing care. Students will gain skill in all aspects of diagnosis, therapeutics, and management as required of a competent primary care practitioner. Supervision in this practicum will be provided by nurse practitioner and physician preceptors, under the guidance and oversight of faculty. Students will arrange clinical hours with preceptors as mutually acceptable If the student is unable to meet with the preceptor at an established time, the student will notify the preceptor as soon as possible to avoid any disruption and to arrange alternative clinical hours. Students are required to obtain a minimum of 200 practicum hours for this course.

Credit Type	**Fixed**
Credits	2

FNPC 6030: DIAGNOSIS & MANAGEMENT OF ADULTS II

This course builds on the concepts from the prerequisite courses to develop the role of the nurse practitioner in promoting health and managing common acute and chronic health conditions in adults. This course incorporates a focus on older adults, adaptations in health assessment, management of common acute and chronic conditions, and health promotion based upon developmental and ethnocultural considerations are emphasized. The interaction of individual, family, and environment are studied from the perspective of nursing and other health-related theories.

Credit Type	**Fixed**
Credits	3

FNPC 6030P: DIAGNOSIS & MGMT OF ADULTS II-PRACT

This practicum is designed to guide students in developing the basic competencies of the nurse practitioner in the care of adults experiencing acute and chronic health conditions. Students will utilize skills of critical thinking, logical reasoning, and sound diagnostic judgement in generating clinical decisions and directing care. Students will gain skill in all aspects of diagnosis, therapeutics, and management as required of a competent primary care practitioner. Skill in assessment and management of older adults will be emphasized. Supervision in this practicum will be provided by nurse practitioner and physician preceptors, under the guidance and oversight of faculty. Students will arrange clinical hours with preceptors as mutually acceptable. If the student is unable to meet with the preceptor at an established time, the student will notify the preceptor as soon as possible to avoid any disruption and to arrange alternative clinical hours. Students are required to obtain a minimum of 200 practicum hours for this course.

Credit Type	**Fixed**
Credits	2

FNPC 6040: INTEGR OF THE ADV PRACTICE ROLE

This course provides an opportunity to integrate the theory and practice of the family nurse practitioner. Focus is placed on the domains and competencies of the nurse practitioner as a direct provider of primary health care. Students will synthesize theories and concepts that guide practice as well as discuss issues and policies that define the nurse practitioner role. They will examine issues of control and power, dignity and respect, and mutual expectations in healing relationships.

Credit Type	**Fixed**
Credits	2

FNPC 6040P: INTEGR OF ADV PRACT ROLE-PRACTICUM

The class will meet for a two- hour session every week. The clinical practicum will be conducted in collaboration with and under the supervision of nurse practitioner and physician preceptors. The practicum will provide a foundation for the transition to independent clinical practice. Students are required to obtain a minimum of 200 practicum hours for this course.

Credit Type	**Fixed**
Credits	2

GCDN 1023: DRAWING I (IDSN1023)

A study-workshop in the language of drawing, including practice in expression and communication in various media utilizing principles of line, tone, gesture, exaggeration and lighting. Cross-listed with IDSN1023

Credit Type	**Fixed**
Credits	3

GCDN 1025: FUND. OF ELECTRONIC PUBLISHING

This course will prepare students not majoring in graphic design to work in a creative team environment toward the production of digital communication materials and graphics, and will introduce students to the web as a design vehicle for publishing and advertising.

Credit Type	**Fixed**
Credits	3

GCDN 1060: FOUNDATION DESIGN I (IDSN1060)

An introductory course in design process, the principles of design and their application to studio projects. This course establishes a framework form which to explore the connection between the foundations of design and complex discipline-specific design problems. Cross-listed with IDSN1060

Credit Type	**Fixed**
Credits	3

GCDN 1062: FOUNDATION DESIGN II (IDSN1062)

PREREQUISITE: GCDN1060 AND IDSN1060, GRADE OF C OR BETTER This course builds upon Foundation Design I, as an introductory course in design process, the principles of design and their application to studio projects, with a focus on color theory through both two- and three-dimensional design. This course continues to establish a framework from which to explore the connection between the foundations of design and complex discipline-specific design problems. Cross-listed with IDSN1062

Credit Type	**Fixed**
Credits	3

GCDN 1070: DIGITAL IMAGE MAKING I

Introducton to digital image making. Students will explore industry software and apply foundational design concepts and vocabulary to a range of visual communication projects. Course content and project work will introduce both vector and raster image creation. Studio practice/projects will concentrate on exploring, understanding and applying the design process (research, brainstorming, design, critique, technical, execution.) Emphasis will be placed on concept development and the integration of fundamental design concepts (the elements and principles of design, heirarchy, composition, etc.) into studio design projects.

Credit Type	**Fixed**
Credits	**3**

GCDN 1071: DIGITAL IMAGE MAKING II

PREREQUISITE: GCDN1070 AND DSGN2005, GRADE OF C OR BETTER Advanced digital image making. The course will provide advanced practice of digital image creation, manipulation and production using professional, industry- standard software. Course content and project work will build upon foundational knowledge of the design process, industry software, (both vector and raster) and methods attained in Image Making I. Assignments will require in-depth inquiry into the design process, methods, visual communication and technical design solutions. Studio practice will emphasize visual communication strategies as they combine with other elements of graphic design such as heirarchy, typography, color, layout and composition. Students will develop their ability to apply vocabulary and the the design process through research, critique and the iterative design process. This course runs in tandem with Foundation Design II.

Credit Type	**Fixed**
Credits	**3**

GCDN 1080: WEB GRAPHICS I

This course will prepare students not majoring in Graphic & Communication Design to understand, create and edit correct image types that can be used for web sites. The class will explore design theories specific to web design while introducing software applications specific to creating still images for web sites.

Credit Type	**Fixed**
Credits	**3**

GCDN 2005: DIGITAL FINE ARTS

This course is intended to provide an opportunity to explore Mac computer art. The students will experience the computer studio process of creating art in relevant software, using a digital camera to manipulate images and final image animation. The effect of styles, techniques and art movements on computer images will be explored. Attention will be given to archival inks and paper. Lecture and video will provide an introduction to the new and brief history of electronic images.

Credit Type	**Fixed**
Credits	**3**

GCDN 2008: DIGITAL PUBLICATION AND

This course will focus on the integration of type and image in page layout while also introducing design industry standards for print production. Various page layout and print production solutions will be explored utilizing professional industry software.

Credit Type	**Fixed**
Credits	**3**

GCDN 2010: GRAPHIC DESIGN METHODOLOGIES

PREREQUISITE: GCDN1060, GCDN1071, GCDN1062, GCDN1070, ISDN1060, GRADE OF C OR BETTER This course will explore, define and analyze the thinking strategies utilized in the profession of graphic design. Creative exercises, brainstorming and ideation models, information gathering, research projects and collaborative work will help students to understand and practice the processes and problem-solving strategies by which intelligent design solutions are reached.

Credit Type	**Fixed**
Credits	**3**

GCDN 2011: PAINTING, PASTELS AND

This class will introduce the student to the techniques and methods of watercolor & pastel. The course places primary emphasis on the handling of the media.

Credit Type	**Fixed**
Credits	**3**

GCDN 2012: TYPOGRAPHY I

PREREQUISITE: GCDN1060, GCDN1071, IDSN1060, GCDN1062, GCDN1070, GRADE OF C OR BETTER This course introduces students to the basics of typography as the backbone of Graphic Design. By studying the anatomy of a letterform, typographic history, classifications, typeface recognition, hierarchy and terminology, students learn to organize typographic compositions and systems in order to communicate intellectual and expressive meaning. Students explore the typographic form through both hand-rendered and digital mediums using industry standard software.

Credit Type	**Fixed**
Credits	**3**

GCDN 2016: DIGITAL PHOTOGRAPHY I

This course will explore digital capture and handling of photographs enabling the student to master the technical aspects of digital image capture. Students will learn techniques for editing and enhancing photographs, become familiar with photography's various roles: art form, journalism, advertising and will produce a portfolio of quality color and black and white prints from digital files. This course is for design majors only.

Credit Type	**Fixed**
Credits	**3**

GCDN 2021: GRAPHIC DESIGN I

PREREQUISITE: GCDN2008, GRADE OF C OR BETTER This course investigates design principles and concepts, incorporating them into the foundations of graphic design. The student is introduced to the language and processes used to achieve effective graphic design. Through investigation of core graphic design principles, concept development, language and processes; students explore both formal and expressive techniques for successful and effective integration of image and type.

Credit Type	**Fixed**
Credits	**3**

GCDN 2029: USER EXPERIENCE DESIGN I

Introduction to user experience design. This course will Introduce students to foundational theories for visual design and accessibility, information architecture, user interface design, prototyping techniques, and various publishing requirements. Students will be introduced to a range of digital media formats and applications in order to establish familiarity with UX design problems. Students will learn and apply the theory and application of UX design including research, problem identification, concept building and prototyping.

Credit Type	**Fixed**
Credits	**3**

GCDN 2038: ILLUSTRATION

PREREQUISITE: GCDN1023, GCDN1070, GCDN1071, GRADE OF C OR BETTER This course places an emphasis on thorough experimentation of image-making techniques including hand, digital and a combination of those. It will provide students with an in-depth knowledge of current and past illustrators and give them skills to create concept-based imagery. Emphasis is placed on communicating specific messages to targeted audiences in order to understand the relationship between Illustration and Graphic Design.

Credit Type	**Fixed**
Credits	**3**

GCDN 2040: WORD AND IMAGE

An in-depth study of the symbiotic relationship between words and images and the importance of integrating text with visual information to achieve professional results. Emphasis will be placed on the juxtaposition of image and text in order to produce coherent design. Problems will focus on concept generation and problem solving.

Credit Type	**Fixed**
Credits	**3**

GCDN 2042: DIGITAL PHOTOGRAPHY II: EXTERIOR

PREREQUISITE: GCDN2016, GRADE OF C OR BETTER Effective execution of exterior photography work. Through exploring a variety of exterior shooting conditions such as lighting, concept, compositional strategy, technical requirements, and advanced editing technique, students will learn to integrate core photography concepts into successful and effective skillset specializing in exterior photography. This course will require off campus travel. Prereq: GCDN2016

Credit Type	**Fixed**
Credits	**3**

GCDN 2047: PHOTOGRAPHIC LIGHTING TECHNIQUES

PREREQUISITE: GCDN2016, GRADE OF C OR BETTER This course will explore various aspects of portrait and product photography, making extensive use of lighting technique and equipment in an examination of both natural and artificial lighting environments. The course is intended to provide additional tools, techniques and insights into image production and development for the Graphic Design and Communication Design major.

Credit Type	**Fixed**
Credits	**3**

GCDN 2080: WEB GRAPHICS II

This course will prepare students not majoring in Graphic & Communication Design to understand, create and edit correct advanced image and animations that can be used for web sites. The class will explore design theories specific to web design while introducing software applications specific to creating motion images for web sites.

Credit Type	**Fixed**
Credits	**3**

GCDN 3010: WRITING AND PRESENTING FOR

PREREQUISITE: ENGL1012 OR ENGL1012H This course will explore various writing techniques that are specific to the fields of Graphic & Communication Design and Interior Design and will include: copy and headlines, press releases, web page texts, television & radio commercial messages, design briefs and presentation notes. Students will learn effective ways to make presentations to clients in both individual and creative team situations, as well as practice their ability to articulate design concepts to an audience. In addition to being beneficial to Graphic Design and Interior Design students, the course could be offered to marketing, information systems technology and other programs beginning in the fall of 2010. Cross-listed with IDSN3010

Credit Type	**Fixed**
Credits	**3**

GCDN 3012: DIGITAL PHOTOGRAPHY III - INTERIOR

PREREQUISITE: GCDN2016, GRADE OF C OR BETTER This course will study concepts, processes, and techniques related to the effective execution of interior photography work. Through exploring a variety of interior shooting conditions such as types of lighting, concept, compositional strategy, technical requirements, and advanced editing technique, students will learn to integrate core photography concepts into successful and effective skillset specializing in interior related photography. This course will require off campus travel. Prereq: GCDN2042

Credit Type	**Fixed**
Credits	**3**

GCDN 3016: HISTORY OF FILM (ARTH3016)

The course attempts to make the student more aware of the medium as well as its place in the development of our culture. While the approach is historical, emphasis is placed upon development of the student's visual literacy. Additionally, important topics such as censorship and film propaganda are discussed. Cross-listed with ARTH3016

Credit Type	**Fixed**
Credits	**3**

GCDN 3022: TYPOGRAPHY II

PREREQUISITE: GCDN2021, GRADE OF C OR BETTER Further development of the ideas, techniques and principles studied in GCDN2012. Emphasis is placed on polishing and advancing basic typography skills through the study of typography in publication design, i.e., multiple page design as it relates to layouts for books, booklets, brochures and magazines. Format and design for continuity is stressed.

Credit Type	**Fixed**
Credits	**3**

GCDN 3024: PROFESSIONAL PRESENTATION

This course is designed to provide students in the professional areas with training in preparing and giving professional presentations. Students will develop skills in audience/client assessment, research, presentation design and development, using presentation tools and presentation evaluation.

Credit Type	**Fixed**
Credits	**3**

GCDN 3026: DIGITAL PREPRESS AND PRINTING

PREREQUISITE: GCDN3041 AND GCDN3031, GRADE OF C OR BETTER This course will investigate the digital preparation of images and files for print publications. Students will learn some history of printing processes and how we arrived in the current digital workflow. Students will develop an understanding of color separation, color modes, and calibration. In preparing files, page layout programs will be explored and how fonts, trapping, and pdf conversion can be maximized for efficiency.

Credit Type	**Fixed**
Credits	**3**

GCDN 3029: ADVANCED WEB DESIGN

Advanced Web Design continues to concentrate on the principles of design, development, and implementation of web-based solutions. Students in this class will focus primarily on the strategic efforts of constructing entire websites from the ground up - working individually and as part of a team.

Credit Type	**Fixed**
Credits	**3**

GCDN 3031: GRAPHIC DESIGN II

PREREQUISITE: GCDN2021, GRADE OF C OR BETTER This course will focus on information organization and complex hierarchies, in order to reach conceptually and aesthetically sophisticated design solutions. Particular emphasis will be placed on research, investigation, rigorous brainstorming and organizing a large quantity of information in order to reach content-heavy, visually-engaging solutions. Prereq: Successful completion of Mid-Collegiate Review.

Credit Type	**Fixed**
Credits	**3**

GCDN 3040: PHOTOGRAPHY - SPECIAL TOPICS:

PREREQUISITE: GCDN2016, GRADE OF C OR BETTER The goal of this course is to offer an ever-changing topic of for specialized study in photography. Each time it runs it will feature a special topics class that will have its own course description and objectives based upon the topic(s) being covered. This elective will continue to rotate special topics classes for the first few years of its sequence upon which time the department may consider a permanent series of electives that can compliment the minor. Prereq: GCDN2016

Credit Type	**Fixed**
Credits	**3**

GCDN 3041: GRAPHIC DESIGN III

PREREQUISITE: GCDN3031, GRADE OF C OR BETTER With an emphasis on communication and advanced design problems, this course will focus on the development of clear, appropriate, dynamic and efficient branding through a systems approach to design. It will begin with the detailed study of the brand and brand identity, and culminate in the development of an integrated branding program. A high degree of conceptual, aesthetic and technical ability will be required for successful completion of this course.

Credit Type	**Fixed**
Credits	**3**

GCDN 3043: PACKAGING DESIGN

PREREQUISITE: GCDN2021, GRADE OF C OR BETTER The course is an introduction to the elements and principles of design for packaging, retail display and branded environments, with an emphasis on visual communication for three-dimensional design.

Credit Type	**Fixed**
Credits	**3**

GCDN 3045: USER EXPERIENCE DESIGN II

PREREQUISITE: GCDN2029, GRADE OF C OR BETTER This course is an advanced study in user experience design which builds upon the foundation and application of UX design and theory from User Experience Design I. Students will further develop skills in research, problem identification, concept building and prototyping with an emphasis towards solving complicated 'user-centric' design problems. Studio work will require solutions that demonstrate advanced consideration to information architecture strategy, design patterns, responsive screen design, and high-fidelity prototyping.

Credit Type	**Fixed**
Credits	**3**

GCDN 3046: MULTIMEDIA

This course is an advanced study of multimedia and video design, theory and application for upper level Design students. Taught primarily on a MAC platform, this course utilizes software for digital video production. Class assignments will be closely related to GCDN3041 Graphic Design III, which will be taken concurrently during the second semester of the Junior year. The courses will be interrelated in terms of theory as well as outcome assessment.

Credit Type	**Fixed**
Credits	**3**

GCDN 3050: GRAPHIC DESIGN - SPECIAL TOPICS:

PREREQUISITE: GCDN2042 AND GCDN3012, GRADE OF C OR BETTER The goal of this course is to offer an ever-changing topic of for specialized study in photography. Each time it runs it will feature a special topics class that will have its own course description and objectives based upon the topic(s) being covered. This elective will continue to rotate special topics classes for the first few years of its sequence upon which time the department may consider a permanent series of electives that can complement the minor. Prereq: GCDN2016

Credit Type	**Fixed**
Credits	**3**

GCDN 3051: PUBLICATION DESIGN

This course combines the two elements that result in publication: writing and layout. Intended for prospective designers as well as writers, the course will educate students in how words and images work together; functional art in action; font and publication personalities; logo design; newspaper and magazine design; public service publications; newsletters; and the art of popular culture. Formerly cross-listed with ENGL3051.

Credit Type	**Fixed**
Credits	**3**

GCDN 3053: ENVIRONMENTAL GRAPHIC DESIGN

PREREQUISITE: GCDN2021, GCDN2008, GCDN2010, GCDN2012, GRADE OF C OR BETTER Introduction to the study and practice of Environmental Graphic Design (EGD) with an emphasis on understanding visual communication and information systems for navigating and experiencing the built environment. The course will cover theory and practical application of topics related to EGD including: principles of wayfinding, study of three-dimensional design and exploration of typography, symbols, identity and information design in the public space. Cross-listed with IDSN3053

Credit Type	**Fixed**
Credits	**3**

GCDN 3055: PROFESSIONAL PRACTICES FOR

This course will explore the essential business and professional practices of the design profession. Topics include developing a professional identity package, understanding different types of design employment, strategies to engage and grow in the design industry, design freelance business essentials, and networking and self-promotion strategies.

Credit Type	**Fixed**
Credits	**3**

GCDN 3060: DIGITAL BRANDING

PREREQUISITE: GCDN2029, GRADE OF C OR BETTER This course investigates the many ways that branding seeks to engage consumers in a digitally dominant environment. Through the study of various theories and applications, students will learn how to create personalized and memorable experiences for digitally dominant consumers. Project work will focus utilizing multiple forms of digital media with a strong emphasis on storytelling, personalization, and authenticity as methods to engage target audiences. This course will emphasize the UX design process, building further skills in user research, scenario development, and rapid and refined prototyping skills.

Credit Type	**Fixed**
Credits	**3**

GCDN 4010: ENVIRONMENTAL AND PACKING DESIGN

Credit Type	**Fixed**
Credits	**3**

GCDN 4021: DESIGN STUDIO - SPECIAL TOPICS:

The design studio class is a full-service, student-run communications/design agency that solely creates work for legitimate, real-time clients. Students who work in the design studio will gain an appreciation and an in-depth understanding of the business of design. To gain acceptance into this course, students must fill out an application and undergo a portfolio review and interview by GCD faculty.

Credit Type	**Fixed**
Credits	**3**

GCDN 4028: DIGITAL PHOTOGRAPHY IV - PORTFOLIO

PREREQUISITE: GCDN3012, GCDN2042, GCDN2016, GCDN3040, GRADE OF C OR BETTER This course will provide students with an opportunity to self-author a large body of photographic work building upon one or more of the concepts previously studied in the minor. In addition students will also learn about important professional practice skills such as publishing work both on personal and professional stock sites,continued self-evaluation skills, and how to earn freelance opportunities. This class will culminate in the students producing and presenting a collective body of work for showcase. Prereq: GCDN3012

Credit Type	**Fixed**
Credits	**3**

GCDN 4041: SENIOR DESIGN CAPSTONE

PREREQUISITE: GCDN4055, GRADE OF C OR BETTER This capstone-level course centers on the development of a semester long independent project. In consultation with faculty and peers, students will focus on creating multi-component, content-driven projects that demonstrate their ability to completely identify, research, self-author and implement in-depth solutions. The course will culminate with a final professional presentation.

Credit Type	**Fixed**
Credits	**3**

GCDN 4050: GRAPHIC DESIGN - SPECIAL TOPICS:

SPRING 2021 This course investigates the many ways that branding seeks to engage consumers in a digitally dominant environment. Through the study of various theories and applications, students will learn how to create personalized and memorable experiences for digitally-dominant consumers. Project work will focus utilizing multiple forms of digital media with a strong emphasis on storytelling, personalization, and authenticity as methods to engage target audiences. This course will emphasize the UI/UX design process, building further skills in user research, scenario development, and both rapid and refined prototyping skills.

Credit Type	**Fixed**
Credits	**3**

GCDN 4051: INTERNSHIP I @

A practical work experience in a field setting. The student receives credits for work performed.

Credit Type	**Variable**
Credits	**1-6**

GCDN 4052: INTERNSHIP II - GRAPHIC DESIGN

A second practical work experience in a field setting. The student receives credits for work performed.

Credit Type	**Variable**
Credits	**1-6**

GCDN 4055: SENIOR DESIGN SEMINAR

An open-ended senior seminar dealing with various aesthetic questions and team efforts in which students act as art director, designer, illustrator, writer, or photographer. Emphasis is placed on educational experiences that enable the student to move from hypothetical design problems to the challenge of working with clients on real jobs. Communication Design majors play a significant role on creative teams.

Credit Type	**Fixed**
Credits	**3**

GCDN 4057: INDEPENDENT STUDY - GRAPHIC

This course is limited to those few students who have demonstrated an unusual level of ability and an intense commitment to a particular area.

Credit Type	**Variable**
Credits	**1-3**

GCDN 4058: PORTFOLIO PREPARATION

This course involves the exploration of self-promotion strategies necessary for success in the graphic design profession. In consultation with faculty and peers, students will revise and improve upon prior and current projects in order to develop a strong senior portfolio. Through instruction and research, students will learn techniques for effective verbal and visual presentation of their work. This course will prepare graduates for the job market and continued education. The course will culminate with the annual Senior Portfolio Show.

Credit Type	**Fixed**
Credits	**3**

GCDN 4060: PORTFOLIO REVIEW

Credit Type	**Fixed**
Credits	**1**

GEOG 2011: WORLD GEOGRAPHY

A study of the interactions between human beings and the land, and the influence of geography in shaping work and culture throughout the world.

Credit Type	**Fixed**
Credits	**3**

GEOG 2012: EUROPEAN GEOGRAPHY

A study of the continent of Europe as a whole with an emphasis on its diversity of peoples, its resources, its advanced culture and its relatedness to the rest of the world.

Credit Type	**Fixed**
Credits	**3**

GEOG 3010: CULTURAL GEOGRAPHY AND THE

The many ways in which humans have changed the face of the earth in response to culture is known as the human mosaic. The course applies the major themes of cultural geography to population, language, religion, agriculture and urbanism. A basic knowledge of world geography is assumed.

Credit Type	**Fixed**
Credits	**3**

GEOG 3013: GEOGRAPHY AND WORLD AFFAIRS

An overview of various regions of the world and the environmental conditions to which people adapt. Racial, linguistic, religious and economic groupings of people will be stressed. Current world events are examined to develop knowledge about historical, geographic, climatic, political and religious environments which people inhabit.

Credit Type	**Fixed**
Credits	**3**

HIST 1010: US HIST 1607 - 1865 FOUNDATIONS

A study of the history of the United States from 1607 to 1865. This course traces the development of the United States from the earliest European settlers to the formation of a republic, noting the events, people and ideas involved in the struggle to achieve that end. Particular emphasis is given to colonial America, the American Revolution, the constitutional process of 1789, Native Americans and slavery.

Credit Type	**Fixed**
Credits	**3**

HIST 1011: US HIST: EMERG OF MASS DEMOCRACY

A study of the history of the United States from 1865 to 1945. This course traces the development of the United States from the aftermath of the Civil War to its emergence as a world superpower, noting the events, people and ideas involved in that development. Particular emphasis is given to Reconstruction, industrial development and World War II. Cross-listed with SLHS1006

Credit Type	**Fixed**
Credits	**3**

HIST 1011H: US HIST: EMERG OF MASS

A study of the history of the United States from 1865 to 1945. This course traces the development of the United States from the aftermath of the Civil War to its emergence as a world superpower, noting the events, people and ideas involved in that development. Particular emphasis is given to Reconstruction, industrial development and World War II. Cross-listed with SLHS1006H

Credit Type	**Fixed**
Credits	**3**

HIST 1012: US HIST: CONTEMP TIMES

A study of the United States since World War II as it struggles with its role in being a superpower in the world and its role in fulfilling the American dream at home. Special emphasis is placed on the Cold War, the Great Society and Vietnam, the Civil Rights Movement, and the Reagan, Bush, Clinton & Obama presidencies, and post 9/11 American Society.

Credit Type	**Fixed**
Credits	**3**

HIST 1013: WESTERN CIVILIZATION I (SLHS)

This course focuses on Western civilization from its origin in the Near East up through the Protestant Reformation. Special emphasis is given to the social, economic, religious, and political institutions that shaped the roots of Western Civilization. Attention is also concentrated on the place of the individual within this society. (SLHS)

Credit Type	**Fixed**
Credits	**3**

HIST 1014: WESTERN CIVILIZATION II

This course focuses on Western civilization from the Reformation to contemporary times. Special emphasis is given to the characteristics which define Western civilization as it emerged from the Middle Ages into modern times including science, faith, reason, capitalism, communism, the growth of institutions and the arts.

Credit Type	**Fixed**
Credits	**3**

HIST 1015: HISTORY OF THE WORLD (SLHS)

Students will examine the historical development of the world. Although the pre-modern period of history will be addressed, particular emphasis will be placed on the modern period and how industrialization has affected both developed and developing regions of the world. Special attention will also be given to methodologies related to historical anthropology, as well as economic, social, cultural and intellectual history. Questions of race, class and gender will be interwoven with an awareness of global diversity and multi-culturalism.

Credit Type	**Fixed**
Credits	**3**

HIST 1016: SOCIAL DYNAMICS OF US HISTORY

This course is designed to study key social issues and political crises, and especially concentrating on changes generated in the larger political, social, and economic contexts by popular protests by more-focused movements. This course will also trace deeper roots of such events by placing them in the broader context of U.S. History as a whole, and also by using major reference-points, such as: the history of the working-class majority and workersâ€™ efforts to overcome economic injustice; and African American efforts to overcome racial injustice. The interplay of civil rights (and human rights in general), economic justice, and foreign policy will be given serious attention. A focus of attention will be the role of ideas and social movements in generating historical change.

Credit Type	**Fixed**
Credits	**3**

HIST 2000: BRITAIN AND ITS EMPIRE

This course covers the early history of Britain from pre-Roman times up through and beyond the Middle Ages and explores the political, social and economic origins of the British Empire. The empire is then examined in depth at its zenith in the 19th century as it became entrenched in different world areas; we explore the impact on local peoples and nations. The course concludes with attention to the decline of the British Empire.

Credit Type	**Fixed**
Credits	**3**

HIST 2023: THE HISTORY OF ENGLAND

A study of England from Roman times to the Revolution of 1688 with special emphasis on the rise of Parliament and on the growth of Common Law. This course traces the transition of England from a part of Mediterranean culture to a part of French Catholic Europe to becoming a distinctive culture of its own.

Credit Type	**Fixed**
Credits	**3**

HIST 2035: HISTORY OF LATIN AMERICA

A study of the growth and development of Hispano- and Luso-America from the European Conquest to the present. Emphasis is given to the interrelationships between the Church, the Military and the State, political and economic development, and social changes throughout Latin America.

Credit Type	**Fixed**
Credits	**3**

HIST 2040: HISTORY OF WESTERN PENNSYLVANIA

The course covers the history of Western Pennsylvania from prehistoric times to the present. Special emphasis is given to the history of Pittsburgh and Southwestern Pennsylvania; the Indian cultures; the colonial and revolutionary periods; the impact of industrialization; religion and immigration, local culture and the renaissance.

Credit Type	**Fixed**
Credits	**3**

HIST 2045: ISLAM IN THE WORLD

In this course, the basic beliefs of Islam are reviewed, along with a brief history of Islam's overall development and its impact on the world and on various civilizations in different global regions. Islam's internal sects are analyzed, and its political impact on current politics in the world is explored. The role of U.S. foreign policy in dealing with the recent rise of Islam is also analyzed. Cross-listed with POLI/SOCL2045

Credit Type	**Fixed**
Credits	**3**

HIST 3000: HISTORY AND CULTURE OF AMERICAN

A study of the Native Americans from prehistoric time to the present with emphasis on the uniqueness of Native American culture, and the impact of Euro-American contact on native American societies.

Credit Type	**Fixed**
Credits	**3**

HIST 3002: HISTORY OF EUROPEAN DIPLOMACY

The internationally accepted style of diplomacy had its origins in Italy in the late 1400's. Emphasis is placed on the mechanisms of diplomacy as well as its use by European powers: classical diplomacy in the 19th century and the impact of that system on other areas of the globe. The decline of European syle diplomacy in the World War/Cold War era is described. Cross-listed with POLI3002

Credit Type	**Fixed**
Credits	**3**

HIST 3005: CONTEMPORARY CENTRAL AMERICA

Through class lectures, discussions, essay tests, a term paper, assigned readings, and slide and video presentations, this class shall review the history of the five Central American nations and their relationships, political, economic, and social, with the United States. Such concepts as economic dependency, neocolonialism, developmentalism, free market economic theory, grassroots democracy, militarism, liberation theology, and socialism will be discussed in depth, along with the general history of the five countries. The problems of indigenous peoples, human rights abuses, class stratification, and recent changes in religion, including phenomenal growth of Pentecostalism, shall be emphasized. By so doing, it is hoped that the student will come to a sophisticated understanding of the contemporary crises in Central America.

Credit Type	**Fixed**
Credits	**3**

HIST 3008: THE GREEK WORLD

The course will cover the Minoan, Hellenic and Hellenistic periods, including the study of Achaean civilization, the Classic period, Alexander's empire and the successor states. Special emphasis is placed on those aspects of Greek history and culture that are considered the foundation of Western civilization.

Credit Type	**Fixed**
Credits	**3**

HIST 3010: THE ROMAN WORLD

A study of the Roman Republic and Empire from 776 B.C. to 476 A.D. Special emphasis is placed on republican institutions, the expansion of the Empire, the collapse of the Republic, the development of the reasons for the fall of the Empire.

Credit Type	**Fixed**
Credits	**3**

HIST 3012: HISTORY OF SPAIN

In this course, we will investigate the history of Spain from the earliest centuries of settlement with a wide diversity of peoples and languages to its regional wars among competing kingships, eventually giving rise to the consolidation and expansion of a world-wide Spanish empire. This course proceeds to analyze modern Spain and its varying regimes, regional separatism, the Civil War, protest movements, democratization, cultural changes, as well as Spain?s many global connections.

Credit Type	**Fixed**
Credits	**3**

HIST 3015: HISTORY/POLITICAL THOUGHT

In this course we inquire into the origins, evolution and development of political philosophies, focusing on the theories that have shaped Western political thought from ancient times to the present day. Analyze key concepts in Western political thought such as liberty, justice, morality, political rights, and democracy. Students will also be asked to create their own political theories. Students will learn the genesis of political thought over the past 2,000 years, how to critically assess these theories, and how to create their own theories. Cross-listed with POLI3015

Credit Type	**Fixed**
Credits	**3**

HIST 3017: THE MIDDLE AGES

A study of the political, economic, social, religious, and intellectual developments of Europe from the fourth through the fourteenth centuries. Special emphasis will be placed on the Germanic invasions, the growth and development of Western Christianity, feudalism, the origins and growth of medieval commerce and urban life, and the development of centralized monarchies and nationalism.

Credit Type	**Fixed**
Credits	**3**

HIST 3018: HISTORY OF AFRICA

In this course we investigate the origins of pre-colonial African civilizations; analyze the spread of global trade within and beyond Africa; explore the colonial period in terms of British, French and Portuguese empire-building; and examine resistance to colonialism, the independence movements, and post-colonial (contemporary) politics in Africa.

Credit Type	**Fixed**
Credits	**3**

HIST 3019: HISTORY OF JAPAN

A study of Japan from its first contact with Western civilization in the 17th century to the present including the period of isolation, the opening of Japan, the rise of militarism, World War II and Japan in the modern world.

Credit Type	**Fixed**
Credits	**3**

HIST 3020: RUSSIA AND THE SOVIET WORLD

A study of the emergence of imperial Russia as a European power, its expansion and industrialization, the forces which blended to bring about the Revolution of 1917, the growth and development of the Soviet Union under Lenin and Stalin, and the fall of communism. Special emphasis is given to Marxism as it has been put into practice in the Soviet system.

Credit Type	**Fixed**
Credits	**3**

HIST 3023: MODERN U.S. DIPLOMATIC HISTORY

This course presents a study of the major developments in American diplomatic history. Special emphasis is placed on the years from World War II until the present. Major international developments and their effects on American diplomacy are discussed along with the impact of various presidents and the influence of the United Nations. The interrelation between foreign policy and domestic opinion is also examined. Cross-listed with INST/POLI3023

Credit Type	**Fixed**
Credits	**3**

HIST 3025: SPECIAL TOPICS IN HISTORY:

FA17: Special Topics in History: 18c Native Americans & Pennsylvanians - This special topic course addresses the themes, events, and issues that shaped the history of the Pennsylvania backcountry and Ohio borderlands during the eighteenth century. Key subjects to be explored include: American Indian migrations to the three rivers of western Pennsylvania, the ethnic mix of colonial settlements, cultural conflicts, Pan-Indian movements, and American frontier ideas and myths.

Credit Type	**Fixed**
Credits	**3**

HIST 3026: HISTORY OF MODERN GERMANY

A study of the impact of the French Revolution on German political and cultural life; of the growth of liberalism and nationalism; of the wars of unification, Bismarckian Germany and World War I; of the rise and fall of National Socialism and of the recovery and post-war problems.

Credit Type	**Fixed**
Credits	**3**

HIST 3027: HISTORY OF MODERN EUROPE

A survey of the past two centuries of European history that is intended to provide global awareness and an appreciation of the accomplishments European civilization. Cross-listed with INST3027

Credit Type	**Fixed**
Credits	**3**

HIST 3028: EAST ASIAN HISTORY (INST3028)

An overview of the history of Korea, Japan, China, Singapore, Taiwan, Hong Kong, and Malaysia. The domestic, political, social, and economic bases of the historical development of these nations will be considered. Political influences of other world powers will be considered. Cross-listed with INST3028

Credit Type	**Fixed**
Credits	**3**

HIST 3029: SPECIAL TOPICS IN HISTORY:

The history of the Arab-Israeli conflict from the Palestinians' first encounter with Zionism through the current peace process of the 1990s. The history of the Jewish Enlightenment (Haskala) in 19th Century Europe and the development of Zionism through the currect peace process between the state of Israel and the Arab states and the Palestinian national movement will be explored, as will the impact of colonialism and the development of nationalism in the Arab world. These various factors will be related to salient global developments of the 20th century.

Credit Type	**Fixed**
Credits	**3**

HIST 3030: WOMEN IN AMERICAN HISTORY

This course examines through women's eyes the images and realities of women's social, political, and economic lives in America from the 1600's to the present day. We analyze women in relation to legal, religious, and social restrictions, women's roles in 19th century moral reform movements, the birth of the women's rights movement, and the immigrant experience. An important component of the course will be women's activism and women's roles in social movements in the latter half of the 20th century, including civil rights, women's liberation, and gay and lesbian rights. The course concludes with an assessment of feminism in the present day.

Credit Type	**Fixed**
Credits	**3**

HIST 3034: HISTORY OF PENNSYLVANIA

"The History of Pennsylvania will track the political, economic, and social developments of Pennsylvania from early colonial times up through to the present. Emphasis will be placed on colonial-era history (when Pennsylvania was a British colony), as well as the 18th, 19th and 20th century rise of industry, immigration and ethnicity, religious diversity, and cultural forms of popular expression."

Credit Type	**Fixed**
Credits	**3**

HIST 3035: HISTORY AND POLITICS OF FRANCE

We intend for students to obtain a significant deepening of their understanding of the chronological timeline of French history, and to advance their critical thinking skills regarding the analysis of key French historical events and social processes (History program Learning Objectives #1 Chronological Thinking and #6 Contextual Comprehension). At the same time, we intend for students to demonstrate an understanding of comparative political institutions (Political Science Learning Objective #10) with particular respect to the French executive and parliamentary branches; of political parties (Political Science Learning Objective #2) with particular respect to changes over the past half-century in the leading French political parties; as well as demonstrating a greater understanding of the role of elections in democracies (Political Science Learning Objective #11), here with respect to recent French electoral events such as the 2017 presidential election. Cross-listed with POLI3035

Credit Type	**Fixed**
Credits	**3**

HIST 3036: HIST OF AMERICAN VALUES, BELIEFS

In this course we explore the central values, beliefs and ideas that have helped to both shape and reflect the changing history of the United States. Special attention is paid to how particularly important values and ideas reflected certain time periods in American history, and helped to make this country unique. America's values and beliefs evolved both from social changes and grassroots political movements as well as from its leaders and influential thinkers. Contemproary ideas and values in America are provided considerable attention. Cross listed with POLI3036

Credit Type	**Fixed**
Credits	**3**

HIST 3037: RELIGIOUS INFLUENCE ON U.S.

An examination and interpretation of the religious forces that were influential in shaping American social structures, mores, law and popular opinion from the time of the first Spanish missionaries to the present. Special emphasis is placed on religious liberty in the American ideal and on religious pluralism.

Credit Type	**Fixed**
Credits	**3**

HIST 3038: HISTORY OF BLACK AMERICANS

A history of the experience of Black Americans from their origins in West Africa to contemporary times. Emphasis is given to the various systems of slavery in America; the impact of slavery on American society; emancipation and reconstruction; contributions of Black Americans and self-help; Black Americans in war and the Civil Rights Movement of the 1960's and 1970's. Cross-listed with POLI3038

Credit Type	**Fixed**
Credits	**3**

HIST 3040: VARIETIES OF EARLY CHRISTIANITY

This course treats Christianity from its origins through the medieval period. Special attention is given to internal issues and external forces, which caused conflict, adjustment, development, and finally varieties within the Christian world. For instance, it explores how dissident movements, the conversion of Constantine, the Germanic invasions, and the rise of Islam, feudalism, and papal power affected Christianity. The course also attempts to analyze how tensions between the institutional church and popular religious movements influenced society.

Credit Type	**Fixed**
Credits	**3**

HIST 3042: THE CIVIL WAR (POLI3042)

This course begins by addressing the social, economic, racial and political factors that lead up and result in the Civil War. The political and military leaderships and decision-making on both sides of the Civil War constitute a major portion of the course. In addition, students will how military strategies shifted continuously throughout the war, and crucial battles will be accorded substantial attention. Micro-level aspects of battlefield experiences – by the soldiers themselves, observers, the journals of military generals, health care in the field of battle – are discussed throughout the course. Race relations within the U.S. army and the role of African-Americans as soldiers will also be an important topic of analysis. The particular role of President Lincoln both as Commander in Chief and in his civilian role as the nation's chief executive will be given a particular focus. The social and political importance of the Gettysburg Address and of the submission of the 13th Amendment to Congress both will receive extended analysis, along with attention to the broader social, political and economic implications of the war. Student requirements include assigned readings; journal entries; videos/film; class participation; discussion board participation; exams; research papers.

Credit Type	**Fixed**
Credits	**3**

HIST 3045: HISTORY AND POLITICS OF MID EAST

This course explores the peoples and history of the Middle East, from ancient times, including a procession of impressive empires, until their eventual domination by the Ottomans and finally, by British Empire. We investigate the accommodation of the British to Middle Eastern kingships and the impact of colonial state-building. We proceed to examine the establishment of the state of Israel and the evolution of Palestinian-Israeli relations over past half a century. Cross-listed with POLI3045

Credit Type	**Fixed**
Credits	**3**

HIST 3047: JEWISH HISTORY AND POLITICS

This course will begin with the Abrahamic and Moses legends, and proceed to analyze the territorial histories of the 12 tribes of Israel and Judea in ancient times; the creation of Reform-Orthodox divisions initiated by the Greek invasions of ancient Israel; the great migration waves to the north, east and west during the Syrian and Roman conquest periods and again during the Middle Ages; the Khazar kingdom; the emergence of Yiddish-speaking culture throughout eastern and western Europe; Jewish impacts on European labor movements; the rise of the modern Secular, Reform, Conservative and Ultra-Orthodox Jewish movements; Russian pogroms and Jewish emigration to the Americas; the Holocaust and a lost civilization; Zionism and the creation of the Israeli state; Jewish unionism in America: the ILGWU; Lox, Gefilte Fish, and Jewish cultural influences (music, musicals, Hollywood, comedy, such asYehudi Menuhin, Itzhak Perlman, Leonard Bernstein, and Ben Sidrin). The special contributions to science, business and politics by Albert Einstein, Henry Kissenger, and Michael Bloomberg. Current Israeli politics and Israel-related controversies. The return of Jewish life to Western Europe. Teaching tools will include textbooks, films/videos, debates, discussions, on-line readings. Student requirements include essays, exams, quizzes, discussion contributions, essays, and research projects. Cross-listed with POLI3047

Credit Type	**Fixed**
Credits	**3**

HIST 3050: HISTORY METHODOLOGY

This is an introductory historical methods seminar involving students in identifying, understanding, and utilizing conceptual building-blocks of comparative historical analysis. Comparative History is rooted in a larger scholarly discipline whose elements, methodologies, and divergent philosophies will be touched on. Notions of historical stages, social classes and power structures, ideology, and identities (such as race, class, gender, nationality, etc.) will be examined. There will be an identification of different areas in the discipline – such as political history, intellectual history, cultural history, economic history, social history.

Credit Type	**Fixed**
Credits	**3**

HIST 3051: DEVELOPMENT IN SOUTHEAST ASIA

This course looks at the history of social, political and economic development of Southeast Asia, excluding Indochina, and focusing primarily on Indonesia, Malaysia, and the Philippines. It will discuss the contingent and dependent nature of development of these countries under the larger framework of global capitalism, and how such development affects the national historical experiences of these countries. Cross-listed with POLI/SOCL3051

Credit Type	**Fixed**
Credits	**3**

HIST 3052: EXPERIENCE OF MODERN WAR

In this course, the experience of modern war is analyzed as a contemporary political phenomenon with broad political implications for the understanding the relationship between national and international politics, on the one hand, and the actual experience of war, on the other. Contemporary and modern wars are studied from the perspective of the soldier in the field, as well as from the broader perspective of commander decision-making, generals' war strategies, and the global context of war-making. Also taken into account is the impact of war on the inhabitants of war-affected countries; on military veterans; and on the national political system of the countries involved in a war. Cross-listed with POLI3052

Credit Type	**Fixed**
Credits	**3**

HIST 3053: PEASANT POLITICS (POLI3053)

In this course we focus our attention on the history and politics of farmers cultivating small land plots who struggle to hold on to their lands despite legal and illegal efforts by outsiders to take it from them. Peasant political movements and social actions are examined. We also analyze market-based efforts by farmers to increase their income; community efforts to enact new policies aimed at self-protection; food crop-growing, artisanry and other efforts at self-sufficiency; and inter-community 'sharing' economies. At the same time, we examine peasant social movements, local community activism, and recent efforts by peasant actors to link up with global and national non-profit agencies and global institutions. Cross-listed with POLI3053

Credit Type	**Fixed**
Credits	**3**

HIST 3054: FOLKLORE OF PENNSYLVANIA

In this course, students learn the social history of tall tales, folk stories, ghost tales, witchcraft and urban legends throughout Pennsylvania – in its city neighborhoods, suburban towns, and rural areas. Interactive classes enable students to better appreciate the social and historical context within which such folklore evolves. Access to historical documents enables students to gain a hands-on understanding of how and why ordinary people used tales and lore as a way to make sense of major on-going transformations (such as the coming of electric power, the loss of mining jobs, etc.). Film, video, and student trips to the actual sites of ghost appearances supplement in-class discussions and readings.

Credit Type	**Fixed**
Credits	**3**

HIST 3060: GLOBAL MYTHS AND LEGENDS

In this course we examine the ways that societies in different parts of the world have historically explained social change through myths and legends. Myths and legends represent believed histories and values systems particular to each society. Who are society's heroes? villains? gods? goddesses? What legends reveal how their society was created? How the world will end? What are the differences among societies that their myths and legends reveal, and what are the similarities? Exposing students to a global history of myths and legends will deepen their understanding of the uniqueness of societies in different world areas – while also demonstrating some remarkable commonalities among all peoples. Student requirements include class participation; a research paper on a particular myth or legend; the creation of an annotated bibliography; class presentation of their research findings; a class trip to a legend-filled trail in North Park; class participation; and quizzes/tests.

Credit Type	**Fixed**
Credits	**3**

HIST 3065: WORLD WAR II (POLI3065)

In this course, students will learn the political, social and economic factors which helped to lead to World War II, including the rise of Nazism, the impact of the Great Depression, the weaknesses of Weimar Germany, political problems in France and Poland, the rise of fascism in Italy. The course then focuses on Germany's invasions of Austria, Poland, and then the rest of Europe, including Russia, and the military resistance to these invasions. In 1941, the U.S. enters the war, and Japan's role expands, which alters the global geo-military strategic map in dramatic ways from that point until the war's conclusion in 1945. Students will learn of political leadership controversies and army decision-making on both sides, and how that affected the outcome of some of the war's most important battles (land, sea and air). Both the Pacific and Euro-Russian fronts will be covered in substantial depth in regard to military strategies, political concerns, and the leadership roles of Churchill, FDR and Stalin. The role of the SS in Germany and conquered European states will be analyzed, as will the rising importance of the concentration camps through the early 1940s and how that led to money and resources being channeled to the Jewish extermination effort instead of to the German army on the war fronts. The impact of the war on global politics will be underlined toward the conclusion of the course. Students will be expected to do extensive readings of scholarly books, articles and original, primary documents, such as letters from military generals and soldiers' letters. Evaluation will be based on quizzes, tests, research papers, as well on-line discussion forums, attendance and in-class participation. Cross-listed with POLI3065

Credit Type	**Fixed**
Credits	**3**

HIST 3072: DEMOCRATIC SOCIALISM (POLI3072)

In this course, we will focus on the emergence of Democratic Socialism as a political philosophy that favors a convergence of socially progressive policies with electoral democracy and capitalism. Different political theorists – in France, England, Germany, the U.S. – devised variations on this theme throughout the mid to late 19th century and into the early 20th centuries, and these variations and differing approaches will be analyzed. In addition, the course provides attention to the development of the Democratic Socialist movement in many parts of the world as the 20th century progressed. We will explore the history of this movement as well as suggesting how the political philosophy of Democratic Socialism became modified and contextualized as the movement evolved in practice. And finally, the relatively rapid expansion of the 'Bernista' movement in the U.S. in the 2010s will be analyzed. Student requirements include in-class discussion; tests, exams; essays; research papers; discussion board participation. Cross-listed with POLI3072

Credit Type	**Fixed**
Credits	**3**

HIST 3075: HISTORY OF IRELAND AND

This course examines the history of Ireland (the main focus) and of Scotland, from ancient times through the modern era, and up to the present day. The idea is to present a comprehensive portrait of Irish and Scottish cultures, social and economic developments, political conflicts, and political system changes over time. Students are expected to undertake textbook readings, exams and research paper assignments in addition to engaging in classroom activities. Cross-listed with POLI3075

Credit Type	**Fixed**
Credits	**3**

HIST 3085: MARXIST POLITICAL THOUGHT

Marxist Political Thought will mostly focus on the ideas, analyses and proposals contained in the writings of Karl Marx and his successors. Considering the extensive dis-information surrounding this body of knowledge, it is important for students to understand the actual notions of political change that Marx himself discussed before turning to other Marxist political theorists and to the study of Communist political movements. Such thinkers as Lenin, Trotsky, Mao, Guevara, Cabral, Marcuse, 'Danny the Red' and others all played a large role in promoting Communist ideas and actions and it is important to consider their theoretical contributions. Some attention to Communist regimes (the Soviet Union, China, Cuba) will also be paid. Cross-listed with POLI3085

Credit Type	**Fixed**
Credits	**3**

HIST 4051: History - Internship I

HIST 4055: SENIOR SEMINAR

A research course acquainting students with historical research methods through the writing of a seminar paper and through group discussion of the research process.

Credit Type	**Fixed**
Credits	**3**

HIST 4056: DIRECTED RESEARCH - HISTORY

Individual research in history supervised by a faculty member. The student defines a problem, constructs and carries out a research program and reports on the findings of the research in a critical and analytical paper.

Credit Type	**Fixed**
Credits	**2-4**

HIST 4057: INDEPENDENT STUDY - HISTORY

Individual study supervised by a full-time faculty member.

Credit Type	**Variable**
Credits	**1-6**

HMGT 3010: HEALTH FINANCE FOR THE HEALTH

This course is designed to provide medical imaging students with an overview of the financial management of medical imaging as well as the other important components of healthcare operating units. In this course, an emphasis will be placed on financial statements, financial analysis, budgeting, payment systems, performance analysis, and cost control. The course content will enable the student to develop the knowledge and skills necessary for effective understanding of medical imaging financial management as well as the overall effective financial management in healthcare organizations.

Credit Type	**Fixed**
Credits	**3**

HMGT 3030: MANAGEMENT AND LEADERSHIP FOR

This course is designed to provide students an opportunity to develop knowledge of management and leadership skills. Management and leadership roles in a variety of health care settings will be examined. Relevant research as it relates to the management and leadership role in healthcare will be explored.

Credit Type	**Fixed**
Credits	**3**

HMGT 3035: HEALTH POLICY IN THE HEALTH

This course is designed to provide the student with an overview of the current context of health care including the organization and financing of patient services, reimbursement, and the scope and role of regulatory agencies that define heath care practice. Health policy issues and the political process addressing those issues will be examined. Strategies for influencing the political process by health professionals, lay and special advocacy groups will be explored.

Credit Type	**Fixed**
Credits	**3**

HRMT 5011: CONCEPTS OF FIN ANAL AND BUDGET

This course will survey the basic principles, terminology and uses of budgeting and accounting techniques as they relate to the Human Resource function. The course will explore frameworks for understanding the interdependence between the Human Resource and Finance functions including assessing the general costs of HR and such specifics as turnover, absenteeism, EAP, technology, compensation and benefits planning, and HR budgeting.

Credit Type	**Fixed**
Credits	**3**

HRMT 5012: LEGAL ASPECTS OF HRM

This course provides an introduction to the laws, regulations and court decisions covering the HRM function and the employment relationship, including labor-management, OSHA, FMLA, EEOC, ERISA, ADA, employment-at-will and other HRM-related laws. Compliance programs will also be reviewed.

Credit Type	**Fixed**
Credits	**3**

HRMT 5013: QUANT. RES. METHODS IN HRM

This course is designed to provide the student with an overview of the principles of quantitative and qualitative research as it relates to the HR discipline. Various research methods and techniques are explored with the purpose of developing the student's ability to critically evaluate HR research studies and enable effective conduct of their own HR research. Specific examples include survey design, attitude research, communication, assessment and program evaluation. Prereqs: MATH1040 or transfer equivalent.

Credit Type	**Fixed**
Credits	**3**

HRMT 5020: ORGANIZATIONAL BEHAVIOR

This course is designed to provide the student with the background and skills to augment the student's managerial effectiveness. The course emphasizes theories of micro- meso- and macro-organizational behavior as they relate to the workplace. Human Resource topics include motivation and individual behavior, interpersonal and group behavior, job satisfaction, work stress, leadership, organizational structures and culture.

Credit Type	**Fixed**
Credits	**3**

HRMT 5022: INTERNATIONAL HRM AND DIVERSITY

This course provides a thorough foundation in managing global diversity and international human resource management (IHRM). The course introduces students to the strategic aspects and the essential functions of IHRM. Students will also learn about the importance of effectively managing both domestic and global diversity.

Credit Type	**Fixed**
Credits	**3**

HRMT 5025A: INTEGRATIVE SEMINAR

This 2-term seminar provides the student with a capstone experience, designed to integrate the disciplinary knowledge gained in the program and prepare the student for effective HR practice. Students will learn how to develop and use HR strategy, how to initiate and manage HR consulting relationships, and how to use HR assessment and evaluation tools. As part of the seminar, students will design, implement and evaluate an HR consulting project in their area of concentration. Prereqs: HRMT5013 & 18 HRM graduate credits.

Credit Type	**Fixed**
Credits	**3**

HRMT 5025B: INTEGRATIVE SEMINAR

PREREQUISITE: HRMT5013, GRADE OF C OR BETTER This 2-term seminar provides the student with a capstone experience, designed to integrate the disciplinary knowledge gained in the program and prepare the student for effective HR practice. Students will learn how to develop and use HR strategy, how to initiate and manage HR consulting relationships, and how to use HR assessment and evaluation tools. As part of the seminar, students will design, implement and evaluate an HR consulting project in their area of concentration. Prereq: HRMT5025A

Credit Type	**Fixed**
Credits	**3**

HRMT 6000: HUMAN RESOURCES INFORMATION

COURSE CATALOG DESCRIPTION: This is an accelerated, two-dimensional course. The first dimension examines the development of information technology within an organization. Emphasis is on the accessibility, availability and vulnerability of information. The second dimension concentrates on the hands on approach to the application of micro-computer-based tool in the development of database. The student will create tables, forms, queries and reports and maintain these components and then analyze the data through queries and charts.

Credit Type	**Fixed**
Credits	**3**

HRMT 6001: COMPUTER AND WEB BASED TRAINING

Computer and Web-based Training is an introductory course designed to provide students with a practical approach to the theory, principles, and application skills relevant to the design of computer and web-based training courseware. This course additionally focuses on the advantages and disadvantages of electronic educational communications and the variances in the audience characteristics that warrant its success. Students will be given preliminary resources and strategies that will help in the development of instructional plans and future professional courseware design.

Credit Type	**Fixed**
Credits	**3**

HRMT 6002: WORKFORCE DIVERSITY: LOCAL AND

This course examines the strategic management of workforce diversity from both a local and a global perspective. The course begins with a study of historical and contemporary forms of prejudice and discrimination, in the U.S. and abroad, followed by an exploration of the local and global legislation related to equal opportunity in the workforce. Students will learn about different approaches to diversity management and how to handle diversity metrics. They will also study the issues that affect specific identity groups, defined by such factors as religion, disability, age, gender, sexual orientation, and race/ethnicity.

Credit Type	**Fixed**
Credits	**3**

HRMT 6006: TOPICS IN HRM:

This course offers students a comprehensive foundation in International Human Resource Management (IHRM). The course reviews the contextual and strategic elements of IHRM, including the internationalization of business and HRM, aligning corporate strategy and structure at the global level, the international legal context, and international culture. Students will also learn about specific HRM applications in the international context, such as global talent management and staffing, international training and development, global compensation management, and international performance management.

Credit Type	**Fixed**
Credits	**3**

HRMT 6011: ADV. TOPICS IN LEGAL ASPECTS

A study of the practical application of legal theory (excluding traditional labor law) to human resources management, from the development of job descriptions for use in recruiting through post-termination proceedings. Special emphasis is placed on equal employment and wage hour matters and other selected topics.

Credit Type	**Fixed**
Credits	**3**

HRMT 6012: TRAINING AND DEVELOPMENT

This course deals with the overall training and development process, including the design of training programs, identification of training needs, selection of training techniques, development of presentation skills and evaluation of program effectiveness. Techniques and theories of training and development of people in organizational settings are also explored.

Credit Type	**Fixed**
Credits	**3**

HRMT 6013: COMPENSATION MANAGEMENT

This course examines the various direct financial, indirect financial and non-financial reward systems that are used to achieve the organizational goals of attracting, retaining, and motivating the employee. Both the employer and the employee perspectives are reviewed. Also covered are the various performance appraisal systems and their relationship to organizational reward systems.

Credit Type	**Fixed**
Credits	**3**

HRMT 6015: EMPLOYEE BENEFITS ADMINISTRATION

This course presents an overview of employee benefits, planning total benefits programs, issues in the design and selection of benefits programs, costing employee benefits, different type of benefits flexible programs communicating benefits programs and selecting and using benefits consultants.

Credit Type	**Fixed**
Credits	**3**

HRMT 6016: EMPLOYEE HEALTH AND SAFETY

This course presents an overview of relevant and current information regarding health/mental health, safety, and security issues affecting the 21st-century workplace and the develop of services by the human resources team to respond to these issues. Through this course students will explore employee assistance programs and other related services. Topics will also include compliance with legislation and regulations related to the health and safety of the American worker.

Credit Type	**Fixed**
Credits	**3**

HRMT 6017: RECRUITMENT AND PLACEMENT

A survey of the basic techniques for the recruitment, selection and placement of people. Topics include the preparation of job specification, the development of a recruiting strategy, methods and procedures of recruiting and selecting candidates, and the need for proper new employee orientation.

Credit Type	**Fixed**
Credits	**3**

HRMT 6018: LEADERSHIP

This course will provide the student with the opportunity to engage in contemporary discussions of leadership, theory and personal leadership effectiveness. Course topics include what leaders do, how leaders think, and how leadership is developed and learned.

Credit Type	**Fixed**
Credits	**3**

HRMT 6020: INTERVENTION & ORGANIZATIONAL CHANG

This course explores methods of organizational diagnosis, planned change and intervention, and various concepts and methods of planned organizational change. These concepts and methods will be applied to an organizational setting selected by the student.

Credit Type	**Fixed**
Credits	**3**

HRMT 6021: LABOR RELATIONS AND COLLECTIVE

A survey of the organizational and economic aspects of management/employee relationships. The main topics include a historical review of the American labor movement, an overview of the social, instructional and organizational frameworks within which the collective bargaining process occurs, and techniques of labor/management dispute management. Theories and principles of collective bargaining will be covered, and a mock bargaining session will be held to provide a "hands on" approach to bargaining.

Credit Type	**Fixed**
Credits	**3**

HRMT 6034: MANAGING INFORMATION TECHNOLOGY

This course will cover various types of information technology, the elements of project management, implementing and evaluating the technology, managing knowledge workers and managing the change process. Students will learn that managing information technology includes more than managing a "computer." As a result, classroom discussion and student learning will include processes and procedures necessary to improve productivity and efficiency within the organization.

Credit Type	**Fixed**
Credits	**3**

HRMT 6035: SHRM LEARNING SYSTEM

This course provides an overview of key areas in human resource management corresponding to the competencies and functional areas as defined by the Society for Human Resource Management and covered in the SHRM-CP and SHRM-SCP exams. This certification preparation program covers four knowledge domains: People, Organization, Workplace and Strategy as well as eight behavioral competencies; Leadership & Navigation, Ethical Practice, Business Acumen, Relationship Management, Consultation, Critical Evaluation, Global & Cultural Effectiveness, and Communication. The course is offered in cooperation with the Society for Human Resource Management (SHRM) and uses SHRM student learning materials which prepare students to take the SHRM Certified Professional (SHRM-CP) and SHRM Senior Certified Professional (SHRM-SCP) certification examinations. Students are required to use the most current version of the SHRM Learning System Materials. Required materials for this course are currently $625 (subject to change).

Credit Type	**Fixed**
Credits	**3**

HRMT 6036: PERFORMANCE MANAGEMENT

Performance Management is the process through which managers ensure that employee's activities and outputs contribute to the organization's goals. The student will learn how to design and use performance management systems to help the organization meet business objectives, link employee behaviors to organizational goals, and create administrative systems that provide information for day-to-day decisions such as salary and benefits administration, the development of training programs, and decisions regarding retention and termination.

Credit Type	**Fixed**
Credits	**3**

HRMT 6038: STRATEG FOR PROFES & ACAD COMMUNICA

This course will help students write effective academic and professional documents and present information accurately, effectively, and appropriately, in both oral and written formats. Through presentations, readings, discussion, drafting, peer editing, and revision activities, graduate students will develop the writing and editing skills necessary for their success as graduate students and future professionals.

Credit Type	**Fixed**
Credits	**3**

HRMT 6051: INTERNSHIP @

This optional internship will allow students to improve their professional abilities, integrate theory into practice, and explore career alternatives in their field of study.

Credit Type	**Variable**
Credits	**1-3**

HSCU 1005: INTRO TO HEALTH PROFESSIONS

This elective course for health science majors introduces undergraduates to varied allied health careers through direct discussions with certified health professionals from each field. Weekly discussions touch on every major facet of a field, such as training requirements, job responsibilities, and salary ranges. The course also provides an increased perspective of the United States healthcare system.

Credit Type	**Fixed**
Credits	**1**

HSCU 1010: HEALTH AND WELLNESS

This course focuses on the concepts of health and wellness. Models of healthcare and theories are discussed that can be demonstrated in one's own personal life. In addition, other topics such as mental health, nutrition, sexual health, and addictions will be covered throughout the course.

Credit Type	**Fixed**
Credits	**3**

HSCU 1020: MEDICAL TERMINOLOGY

This course will introduce the language of medicine through the analysis of medical terminology structure and the understanding of the definition, spelling and pronunciation of medical terms. Formerly listed as BIOL1020.

Credit Type	**Fixed**
Credits	**3**

HSCU 1025: NORMAL AND CLINICAL NUTRITION

This course covers the fundamental principles of nutrition and their relationship to health. The role of diet in the prevention and treatment of representative pathophysiological conditions will be examined. This course is designed for students majoring in Nursing or interested in careers in the Health Sciences.

Credit Type	**Fixed**
Credits	**3**

HSCU 2001: RADIOLOGIC TECHNOLOGY I

This introductory course will lay the groundwork for successive radiography courses. The course provides information on radiographic anatomy of the upper and lower extremities, the history of imaging and an introduction to radiation, an introduction to radiation protection, and professionalism.

Credit Type	**Fixed**
Credits	**2**

HSCU 2002: CLINICAL I EDUCATION

This course provides orientation to radiographic equipment, procedures, department policies, and patient care and safety. PREREQUISITE: Admission to the Radiologic Technology program. HSCU2002, 2002L, and 2002C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	2

HSCU 2002C: CLINICAL I

Clinical hours are designed to prepare students for hands on clinical experience, all routine and non-routine projections of the upper and lower extremity will be performed.Examination Competencies are required. Professional adjustment is evaluated. Students will complete 147 hours of clinical education. HSCU2002, 2002L, and 2002C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	2

HSCU 2002L: CLINICAL I LAB

Laboratory hours are designed to prepare students for hands-on clinical experience. This laboratory session will teach students all routine and non-routine projections of the upper and lower extremity. HSCU2002, 2002L, and 2002C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	1

HSCU 2003: RADIOLOGIC TECHNOLOGY II

This course provides information on the formation and recording of the radiographic image. Patient care components, such as vital signs, oxygen administration, infection control, and patient assessment are presented. Radiographic anatomy of the chest thoracic and abdominal cavities is included. This course entails approximately 37.5 clock hours. PREREQUISITE: HSCU 2001 & HSCU 2002 with a grade of C or better

Credit Type	**Fixed**
Credits	2

HSCU 2004: CLINICAL II EDUCATION

This course provides instruction of the chest, abdomen, shoulder girdle, and bony thorax. PREREQUISITE: HSCU2001 & 2002 with grade of C or better. HSCU2004, 2004L, and 2004C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	2

HSCU 2004C: CLINICAL II

Clinical hours are designed to prepare students for hands on clinical experience, all routine and non-routine projections of the chest, abdomen, shoulder girdle and bony thorax will be performed. Students will observe Nuclear Medicine as a rotation and perform Radiographic Examination Competencies required. Professional adjustment is evaluated. Students will complete 147 hours of clinical education. HSCU2004, 2004L, and 2004C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	2

HSCU 2004L: CLINICAL II LAB

Laboratory hours are designed to prepare students for hands-on clinical experience. This laboratory session will teach students all routine and non-routine projections of the chest, abdomen, bony thorax, and shoulder. Students will observe the instructor teaching the positioning first and then perform the positioning with a partner while the instructor supervises the student. HSCU2004, 2004L, and 2004C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	1

HSCU 2005: RADIOLOGIC TECHNOLOGY III

This course provides instruction and investigation into Medical Ethics & Law as well as Radiographic Technique. Information is provided on the controlling and influencing factors of radiographic technique formation, comparison, and conversion. PREREQUISITES: HSCU 2003 & HSCU 2004 with a grade of C or better.

Credit Type	**Fixed**
Credits	2

HSCU 2006: CLINICAL III EDUCATION

This course provides instruction of the pelvis, hips and spine. PREREQUISITES: HSCU 2003 & HSCU 2004 with a grade of C or better. HSCU2006, 2006L, and 2006C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	1

HSCU 2006C: CLINICAL III

Clinical hours are designed to prepare students for hands-on clinical experience; all routine and non-routine projections of the pelvic girdle, hip, and spine will be performed.??Students will observe MRI as rotation and Examination Competencies are required. Professional adjustment is evaluated. Students will complete 146 hours of clinical education. HSCU2006, 2006L, and 2006C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	2

HSCU 2006L: CLINICAL III LAB

Laboratory hours are designed to prepare students for hands-on clinical experience. This laboratory session will teach students all routine and non-routine projections of the Pelvic Girdle, Hip, and entire spine (Cervical, Thoracic, and Lumbar). Students will observe the instructor teaching the positioning first and then perform the positioning with a partner while the instructor supervises the student. HSCU2006, 2006L, and 2006C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	1

HSCU 2007: RADIOLOGIC TECHNOLOGY IV

The biologic hazards of radiation are emphasized in the Radiobiology portion of this course. The Radiation Protection segment provides in-depth information on the concepts of radiation detection, measurement, patient and radiographer protection, agencies, and regulations. The Patient Care portion of the course focuses on contrast media, radiographic pharmacology, medical emergencies, and venipuncture instruction and certification. PREREQUISITES: HSCU2005 AND HSCU2006 with a grade of C or better.

Credit Type	**Fixed**
Credits	3

HSCU 2008: CLINICAL IV EDUCATION

This course provides instruction of the skull, facial bones, and paranasal sinuses. PREREQUISITES: HSCU2005 AND HSCU2006 with a grade of C or better. HSCU2008, 2008L, and 2008C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	2

HSCU 2008C: CLINICAL IV

Clinical hours are designed to prepare students for hands on clinical experience, all routine and non-routine projections of the skull, facial bones and paranasal sinuses will be performed. Students will observe CT, Ultrasound and Radiographic Examination Competencies are required. Professional adjustment is evaluated. Students will complete 146 hours of clinical education. HSCU2008, 2008L, and 2008C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	3

HSCU 2008L: CLINICAL IV LAB

Laboratory hours are designed to prepare students for hands-on clinical experience. This laboratory session will teach students all routine and non-routine projections of the skull, facial bones, and paranasal sinuses. Students will observe the instructor teaching the positioning first and then perform the positioning with a partner while the instructor supervises the student. HSCU2008, 2008L, and 2008C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	**1**

HSCU 2009: RADIOLOGIC TECHNOLOGY V

This course provides information on the equipment and physics of x-ray production, and quality control requirements. Special imaging methods and alternate imaging modality equipment will be presented. PREREQUISITES: HSCU2007, HSCU2008, and PHYS1010, all with a grade of C or better.

Credit Type	**Fixed**
Credits	**2-3**

HSCU 2010: CLINICAL V EDUCATION

This course provides instruction in radiographic examinations of the digestive, urinary, hepatobiliary, and respiratory systems as well as the soft tissues of the neck. Formal film critique is also presented. PREREQUISITES: HSCU 2007 and HSCU 2008 with a grade of C or better. HSCU2010, 2010L, and 2010C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	**2**

HSCU 2010C: CLINICAL V

Clinical hours are designed to prepare students for hands-on clinical experience. All routine and non-routine projections of the digestive system, urinary system, hepatobiliary system and respiratory system will be performed. Students will observe cardiac catheterization lab, interventional radiography, and Radiographic Examination Competencies. Professional adjustment is evaluated. Students will complete 203 hours of clinical education. HSCU2010, 2010L, and 2010C are required co-requisites and must be completed together.

Credit Type	**Variable**
Credits	**1-3**

HSCU 2010L: CLINICAL V LAB

Laboratory hours are designed to prepare students for hands-on clinical experience. This laboratory session will teach students all routine and non-routine projections of the digestive system, urinary system, hepatobiliary system, and respiratory system. This laboratory course will have a primary focus on operating room and fluoroscopic procedures, while integrating radiographic projections for these specialized procedures. Students will observe the instructor teaching the positioning first and then perform the positioning with a partner while the instructor supervises the student. HSCU2010, 2010L, and 2010C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	**1**

HSCU 2011: RADIOLOGIC TECHNOLOGY VI

Information on various pathologic conditions and their impact on the radiographic process are presented in this summer session. PREREQUISITES: HSCU2009, HSCU2010, BIOL1023, and BIOL1024, all with grades of C or better.

Credit Type	**Fixed**
Credits	**1**

HSCU 2012: CLINICAL VI EDUCATION

This course provides instruction in radiographic examinations of the endocrine, circulatory, nervous, and reproductive system, as well as on arthrography. PREREQUISITES: HSCU2009 and HSCU2010 with a grade of C or better. HSCU2012 and 2012C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	**2**

HSCU 2012C: CLINICAL VI

Clinical hours are designed to prepare students for hands on clinical experience, all routine and non-routine projections of Radiographic Examination Competencies are required. Terminal Competency testing will be performed during this semester. Professional adjustment is evaluated. Students will complete 90 hours of clinical education. HSCU2012 and 2012C are required co-requisites and must be completed together.

Credit Type	**Fixed**
Credits	**2**

HSCU 2013: RADIOLOGIC TECHNOLOGY VII

This final course in the radiography program provides a comprehensive review of all of radiographic material that has been presented in order to prepare the student for the ARRT certification examination. PREREQUISITES: HSCU2011 and HSCU2012 with a a grade of C or better.

Credit Type	**Variable**
Credits	**3-6**

HSCU 2014: KINESIOLOGY (EXSP2014)

PREREQUISITE: BIOL1024 Kinesiology is an introductory course for students pursuing a clinical or non-clinical health sciences major. The course also introduces students to the four subdisciplines of Kinesiology comprising 1. Physiology, 2. Psychology, 3. Motor learning, and 4. Biomechanics. The course is intended for students with career interests in human movement as it relates to motor performance, activities of daily living, physical fitness and sports related activities.

Credit Type	**Fixed**
Credits	**3**

HSCU 2015: SOCIAL AND POLITICAL ASPECTS OF

This course will provide students an opportunity to discover social, political and cultural aspects that impact one's ability to engage in healthy behaviors including regular physical activity and healthy nutrition. Students will learn not only how individual choices influence one's decision to engage in healthy behaviors, but also the institutional, environmental and political forces that are involved. Cross-listed with EXSP2015

Credit Type	**Fixed**
Credits	**3**

HSCU 2016: GLOBAL HEALTH CARE (GLBL)

This course will introduce students to global health matters and the increasing complex challenges of the health of populations in the 21st century from persisting problems to new and emerging public health threats. (GLBL)

Credit Type	**Fixed**
Credits	**3**

HSCU 3005: MOTOR LEARNING, CONTROL AND

PREREQUISITE: BIOL1024, PSYC1021, BIOL1024L This course is designed to introduce students to the theoretical differences and application in motor skill development across the life span. Topics will include motor learning, motor control and motor development experienced during growth and development and used in physical activity, exercise, and sport performance. Cross-listed with EXSP3005

Credit Type	**Fixed**
Credits	**3**

HSCU 3007: BIOMECHANICS (EXSP3007)

PREREQUISITE: MATH1010, BIOL1024, BIOL1024L This course is a study of the science of human movement and will provide students the understanding and analysis of structure and mechanical functioning of human movement and motor skills used for physical activity, exercise, and sports performance. Cross-listed with EXSP3007

Credit Type	**Fixed**
Credits	**3**

HSCU 3014: KINESIOLOGY (EXSP3014)

PREREQUISITE: BIOL1024L AND BIOL1024 Kinesiology is a course for students pursuing a clinical or non-clinical health science major. The course also introduces students to the four sub-disciplines of Kinesiology comprises 1) physiology, 2) psychology, 3) motor learning, and 4) biomechanics. The course is intended for students with career interests in human movement as it relates to motor performance, activities of daily living, physical fitness, and sports related activities. Cross-listed with EXSP3014

Credit Type	**Fixed**
Credits	**3**

HSCU 3015: BIOLOGY OF AGING

PREREQUISITE: BIOL1024 AND BIOL1024L This course explores the anatomical and physiological changes associated with human aging. What is aging, lifespan, theories of aging, and evolution and aging will also be discussed.

Credit Type	**Fixed**
Credits	**3**

HSCU 3018: PATHOLOGY OF INFECTIOUS DISEASES

PREREQUISITE: BIOL2025, BIOL1015, BIOL2025L, BIOL1015L This course is an examination of how microbial infections cause damage, symptoms and disease in the human body. We will focus on the impact of pathogenic microbes and microbial products on various human body cells, tissues, organs and systems. The course expands on basic principles of pathogenesis introduced in the prerequisite microbiology course and will relate those principles to human pathophysiology.

Credit Type	**Fixed**
Credits	**3**

HSCU 3021: HUMAN PATHOPHYSIOLOGY I

PREREQUISITE: BIOL1024L AND BIOL1024 The course will examine the causes, evolution, morphological changes, clinical manifestations, and diagnosis of diseases. Representative disorders of the integument, musculosketetal, nervous, and endocrine systems will be studied.

Credit Type	**Fixed**
Credits	**3**

HSCU 3025: EXERCISE PHYSIOLOGY AND SPORTS

PREREQUISITE: BIOL1024 AND BIOL1024L This course is designed to introduce students to the basic principles Sports Nutrition and Exercise Physiology with an emphasis on wellness promotion throughout life.

Credit Type	**Fixed**
Credits	**3**

HSCU 3028: SPECIAL TOPIC IN HEALTH SCIENCE:

PREREQUISITE: BIOL1024 AND BIOL1024L SP19: Endocrinology - This course provides a broad overview of the human endocrine system, which will allow students to integrate and better understand the functions of the other systems of the body. Topics include the synthesis of hormones, storage and secretion, mechanisms of action and regulation, and methods used in endocrinology. SU19: Musculoskeletal Pathophysiology - The course will examine the causes, evolution, morphological changes, clinical manifestations, and diagnosis of diseases pertaining to the musculoskeletal system, as well as an introduction to pathophysiology.

Credit Type	**Fixed**
Credits	**1-3**

HSCU 3030: FITNESS TESTING AND EXERCISE

PREREQUISITE: EXSP3025 AND HSCU3025 This class will provide students an opportunity to learn in both lecture and hands-on approaches about a variety of common fitness tests related to cardiovascular and muscular fitness and flexibility. Students will also learn the principles of exercise prescription for healthy adults, and modifications for apparently healthy children and older adults. Cross-listed with EXSP3030

Credit Type	**Fixed**
Credits	**3**

HSCU 3031: PUBLIC HEALTH

This course focuses on public health practices, as well as the United States' health system evolution, emergency preparedness, careers in the field, and various factors affecting our population's overall health.

Credit Type	**Fixed**
Credits	**3**

HSCU 3033: TOXICOLOGY

PREREQUISITE: CHEM1017, BIOL1001, SLSC1011 This course focuses on the study of numerous toxicants and how they affect all levels of biology and the human body. Various research studies will be introduced, as well as public policy perspective.

Credit Type	**Fixed**
Credits	**3**

HSCU 3041: HUMAN PATHOPHYSIOLOGY II

PREREQUISITE: HSCU3021, BIOL1024, BIOL1024L This course is a continuation of the study of human pathophysiology. It will examine the causes, evolution, morphological changes, clinical manifestations, and diagnosis of representative diseases of the endocrine, cardiovascular, respiratory, renal, digestive, and reproductive systems.

Credit Type	**Fixed**
Credits	**3**

HSCU 3045: PHARMACOLOGY FOR HEALTH SCIENCE

PREREQUISITE: BIOL1024, BIOL1015, CHEM1017, CHEM1002 This course is designed to introduce the student to the pharmacokinetics and pharmacodynamics of drug therapy with emphasis on the actions, interactions, adverse effects and care implications of each classification of drugs used to treat clients and patients with diseases of body systems. The organization of the central nervous system and autonomic nervous system will be described. Drug metabolism and elimination will also be discussed. Related topics includes lifespan considerations, economics, legal and ethical aspects of drub administration and client/patient education.

Credit Type	**Fixed**
Credits	**3**

HSCU 3050: HEALTH ASSESSMENT IN HEALTH

PREREQUISITE: BIOL1024 This course focuses on health assessment, health promotion, and disease prevention for major health concerns of individuals throughout the life span. Emphasis will be on developing the student's ability to create an in-depth health history and health risk profile, and to perform physical assessment of clients of varying ages. Evidence-based screening tests for early detection of disease, immunizations and prophylaxis to prevent disease and counseling to modify risk factors that lead to disease will be explored.

Credit Type	**Fixed**
Credits	**3**

HSCU 3055: EPIDEMIOLOGY FOR HEALTH SCIENCES

PREREQUISITE: BIOL1015, BIOL1003, BIOL1001 This course focuses on the study of infectious disease, environmental, molecular, and behavioral epidemiology. It will examine both qualitative and quantitative aspects of the discipline.

Credit Type	**Fixed**
Credits	**3**

HSCU 3060: ENDOCRINOLOGY FOR HEALTH

PREREQUISITE: BIOL1024 AND BIOL1024L This course provides a broad overview of the human endocrine system, which will allow students to integrate and better understand the functions of the other systems of the body. Topics include the synthesis of hormones, storage and secretion, mechanisms of action and regulation, and methods used in endocrinology.

Credit Type	**Fixed**
Credits	**3**

HSCU 4003: STRENGTH AND CONDITIONING

PREREQUISITE: EXSP3025, HSCU3007, HSCU3025, EXSP3007 This course is designed for students to learn and apply the theory and principles of strength and conditioning based from the study of kinesiology, exercise physiology, motor learning, motor control motor development, and biomechanics. Students will be able to design individual strength and conditioning protocols for physical activity, exercise, and sport performance activities. Cross-listed with EXSP4003

Credit Type	**Fixed**
Credits	**3**

HSCU 4005: CLINICAL EXERCISE PHYSIOLOGY

PREREQUISITE: HSCU3025, HSCU3007, EXSP3007 This course will provide students the knowledge base to understand the impact and limitations of chronic disease and special populations on activities of daily living (ADL), physical activity, and exercise. Students will be able to assess, evaluate, and prescribe individual exercise protocols to individuals diagnosed with conditions such as heart disease, hypertension, obesity, diabetes, respiratory disorders, asthma, arthritis, and cancer. Cross-listed with EXSP4005

Credit Type	**Fixed**
Credits	**3**

HSCU 4051: Health Science - Internship I

Credit Type	**Variable**
Credits	**1-6**

HSCU 4055: HEALTH SCIENCE CAPSTONE

As a Health Science or Exercise Science senior, this course is a culminating experience that aims to integrate previous academic coursework along with the student's area of interest. The course will focus on preparing students for their future. An individual research project on a subject related to the student's future in healthcare will be required, and then presented at the end of teh semester. Resume creation and interviewing skills will also be taught and practiced.

Credit Type	**Fixed**
Credits	**2**

IDSN 1011: INTERIOR GRAPHICS I

PREREQUISITE: IDSN1020A, Grade of C or better. An introductory course focusing on hand-sketching and drafting techniques that are used by interior designers. Instruction focuses on understanding the equipment and developing the skills needed to produce manually generated floor plans, elevations, sections, orthographic, and axonometric drawings; sketches and perspectives using hand-rendered shade, shadow, and texture; architectural lettering; and drawing composition.

Credit Type	**Fixed**
Credits	**3**

IDSN 1015: VISUAL PRESENTATION

This course will introduce the integration of type and image into layout and composition. Layout concepts will emphasize the elements of design, typography, legibility, hierarchy, and grid systems while executing the work with industry standard software. Standards of editing and file management for faste image work will also introduce a proficient workflow for image creation and manipulation.

Credit Type	**Fixed**
Credits	**3**

IDSN 1020: INTERIOR DESIGN I

PREREQUISITE: IDSN1011 AND IDSN1060, GRADE OF C OR BETTER An introductory course in interior design theory, principles, and processes, which are applied to spaces with simple design programs where people live and work.

Credit Type	**Fixed**
Credits	**3**

IDSN 1020A: INTERIOR STUDIO I (A)

An introductory course in interior design theory, principles, and processes, which are applied to spaces with simple design programs where people live and work.

Credit Type	**Fixed**
Credits	**3**

IDSN 1020B: INTERIOR STUDIO I (B)

PREREQUISITE: IDSN1020A, GRADE OF C OR BETTER An introductory course in interior design theory, principles, and processes, which are applied to spaces with simple design programs where people live and work.

Credit Type	**Fixed**
Credits	**3**

IDSN 1021: INTERIOR GRAPHICS II

PREREQUISITE: IDSN1020B, IDSN1011, and Successful pass of Freshman Review. Students will continue to develop their understanding of floorplans, elevations, and sections by producing drawings with computer programs commonly used by professional interior designers. Students will be instructed in methods of depicting their design ideas in 3-D with computer generated drawings and perspectives. Basic computer renderings skills will be introduced.

Credit Type	**Fixed**
Credits	**3**

IDSN 1023: DRAWING I (GCDN1023)

A study-workshop in the language of drawing including practice in expression and communication in various media utilizing principles of line, tone gesture, exaggeration and lighting. Cross-listed with GCDN1023

Credit Type	**Fixed**
Credits	**3**

IDSN 1060: FOUNDATION DESIGN I (GCDN1060)

This introductory course explores the design process, the elements and principles of design, and their application in studio projects. Students will study color theory and apply it to both two-dimensional and three-dimensional design work. The course provides a strong foundation for understanding how basic design concepts connect to more complex, discipline-specific design challenges.

Credit Type	**Fixed**
Credits	**3**

IDSN 2015: COMPUTER GRAPHICS FOR INTERIORS

PREREQUISITE: IDSN1021 and IDSN3028A. An advanced skills course in computer-aided design (CAD) and other computer graphic software programs. This course builds upon principles, concepts, and techniques learned in IDSN1011-Interior Graphics I and IDSN1021-Interior Graphics II for designing with two-and-three dimensional computer-aided drafting software. Students are provided with extensive hands-on experience to familiarize themselves with the capabilities of the computer and the graphic programs that are commonly used in interior design practice.

Credit Type	**Fixed**
Credits	**3**

IDSN 2032: HISTORY OF ID AND ARCHITECTURE I

A survey of interiors and architecture from the ancient world through the gothic period. Emphasis is on understanding the development of our consciousness of space and the relationship between plan development, structural concepts, technology and materials.

Credit Type	**Fixed**
Credits	**3**

IDSN 2035: INTERIOR PHOTOGRAPHY

PREREQUISITE: IDSN1060, GRADE OF C OR BETTER An investigation into the special concerns of architectural photography and the use of the camera as a design tool. Students photograph existing interiors, work in progress and design projects in model and drawing form.

Credit Type	**Fixed**
Credits	**3**

IDSN 2037: TEXTILES FOR INTERIORS

PREREQUISITE: IDSN2046, GRADE OF C OR BETTER A thorough investigation into the history, manufacture, application and installation of fibers and fiber-based products used in interior spaces. Criteria for evaluating performance, compliance with fire and building codes, and impact on the environment are discussed. Prereq: IDSN2046, none for 3-yr acc., IDSN1020 for 5-yr

Credit Type	**Fixed**
Credits	**3**

IDSN 2038A: INTERIOR STUDIO II A

PREREQUISITE: IDSN1020B, IDSN1011, and Successful pass of Freshman Review. An investigation of the design process with emphasis on basic programming tools, concept development and the relationship between form, function and place-making. Design projects, emphasizing commercial with at least one residential, range in size up to 6000 square feet. Project organization is from simple to complex in each semester.

Credit Type	**Fixed**
Credits	**3**

IDSN 2038B: INTERIOR STUDIO II B

PREREQUISITE: IDSN2038A, IDSN1021, and IDSN2052. This course provides an investigation of the design process utilizing basic programming tools and emphasizes concept development, codes analysis, ADA and NKBA guidelines. Communication skills including sketching, AutoCAD and SketchUp will be reinforced. Design projects will include kitchen and bath design and budget considerations, as well as live/work/retail spaces, temporary, transitional, or permanent housing and will range in size up to 6000 sf.

Credit Type	**Fixed**
Credits	**3**

IDSN 2038C: INTERIOR DESIGN II (C)

An investigation of the design process with emphasis on basic programming tools, concept development and the relationship between form, function and place-making. Design projects, emphasizing commercial with at least one residential, range in size up to 6000 square feet. Project organization is from simple to complex in each semester.are.

Credit Type	**Variable**
Credits	**1-3**

IDSN 2039: HISTORY OF ID AND ARCH II

A survey of interiors and architecture from the Renaissance through the 18th century, with special emphasis on styles and furniture.

Credit Type	**Fixed**
Credits	**3**

IDSN 2044: BUILDING TECH: CONSTRUCTION

PREREQUISITE: IDSN2052. An overview of architectural building systems that affect the responsibilities and decisions of interior designers. Emphasis is placed on structural systems and architectural components of buildings (e.g., floors, walls, ceilings, doors, windows, moisture protection, etc.) as well as relevant vocabulary, codes, and environmental concerns.

Credit Type	**Fixed**
Credits	**2-3**

IDSN 2045: ARCHITECTURAL RENDERING

PREREQUISITES: IDSN2038A and IDSN1021. An advanced course in the delineation of the interior space. Emphasis is on the development of individual style and expanded technical rendering knowledge.

Credit Type	**Fixed**
Credits	**3**

IDSN 2046: BUILDING TECH II: FINISH

PREREQUISITE: IDSN1062, IDSN2044, IDSN1020B, GRADE OF C OR BETTER The study of finish materials as they pertain to interior spaces. Materials are investigated in relation to their installation on floors, walls, and ceilings. Criteria for evaluating performance under differing conditions, compliance with fire and building codes, and impact on the environment are discussed. Conventional and innovative uses of finish materials to enhance design concepts are explored.

Credit Type	**Fixed**
Credits	**3**

IDSN 2048: FURNITURE AND CUSTOM DETAILING

PREREQUISITES: IDSN2052 and IDSN1021 A studio course that provides instruction and hands-on experiences related to the materials, design, and construction techniques of furniture, cabinetry, and millwork detailing.

Credit Type	**Fixed**
Credits	**3**

IDSN 2052: BUILDING TECH: FINISH MATER & TEXTI

PREREQUISITE: IDSN1020B, IDSN1011 and Successful pass of Freshmen review. A thorough study of finish materials and textiles as they pertain to interior spaces and their installation on floors, walls, ceilings and furniture. Criteria for evaluating performance under differing conditions, compliance with fire and building codes, and impact on the environment are discussed. Conventional and innovative uses of fiber-based products and finish materials to enhance design concepts are explored.

Credit Type	**Fixed**
Credits	**3**

IDSN 3010: WRITING AND PRESENTING FOR

PREREQUISITE: ENGL1012 OR ENGL1012H This course will explore various writing techniques that are specific to the fields of Graphic & Communication Design and Interior Design and will include: copy and headlines, press releases, web page texts, television & radio commercial messages, design briefs and presentation notes. Students will learn effective ways to make presentations to clients in both individual and creative team situations, as well as practice their ability to articulate design concepts to an audience. In addition to being beneficial to Graphic Design and Interior Design students, the course could be offered to marketing, information systems technology and other programs beginning in the fall of 2010. Cross-listed with GCDN3010

Credit Type	**Fixed**
Credits	**3**

IDSN 3015: STUDY OF GREAT AMERICAN HOUSES

PREREQUISITE: ENGL1012 OR ENGL1012H. A study of great houses in the United States from early salt boxes to Mies' Farnsworth House. Emphasis is placed on historic context and each structure's contribution to contemporary residential design.

Credit Type	**Fixed**
Credits	**3**

IDSN 3020: INTEGRATIVE BUILDING DESIGN

PREREQUISITE: IDSN2046, GRADE OF C OR BETTER This course will provide an introduction to green building and sustainable design principles as well as an understanding of the integrated building design process, explaining the basic concepts involved and outlining the fundamental application of this approach. In addition, this course will explore critical elements and core concepts of high performance building rating systems and synergies between the systems. Prereq: IDSN2046

Credit Type	**Fixed**
Credits	**3**

IDSN 3028A: INTERIOR STUDIO III A

PREREQUISITE: IDSN2052 and Successul pass of Sophomore Review; MUST TAKE CONCURRENTLY with IDSN3040 and IDSN4041. An investigation into the development of complex interior spaces. Students are encouraged to develop a holistic approach to the design process as they learn to integrate design, technical, regulatory, and budgetary issues. Design projects that emphasize commercial and adaptive reuse, and one residential project, range in size from 5,000 to 10,000 square feet.

Credit Type	**Fixed**
Credits	**3**

IDSN 3028B: INTERIOR STUDIO III B

PREREQUISITES: IDSN3028A and IDSN3040. An investigation into the development of complex interior spaces. Students are encouraged to develop a holistic approach to the design process as they learn to integrate design, technical, regulatory, and budgetary issues. Design projects that emphasize commercial and adaptive reuse, and one residential project, range in size from 5,000 to 10,000 square feet.

Credit Type	**Fixed**
Credits	**3**

IDSN 3032: HISTORY OF ID AND ARCHITECTURE III

PREREQUISITE: ENGL1012 OR ENGL1012H Survey of nineteenth and twentieth century interiors and architecture in Europe and the United States. Special emphasis is placed on designers and their contribution to contemporary American environment. Prereq: IDSN2039 recommended.

Credit Type	**Fixed**
Credits	**3**

IDSN 3040: BUILDING TECH: LIGHTING & ELECTRICA

MUST TAKE CONCURRENTLY WITH IDSN3028A. Fundamentals of lighting design and an overview of power distribution and communications systems pertinent to interior spaces. Technical aspects of lighting, its effect on behavior and perceptions of space, color, and finish materials, and environmental concerns specific to lighting are examined. Current issues relative to power distribution and telecommunication systems are incorporated. Emphasis is on the application of technical knowledge to design projects and the management of the workplace.

Credit Type	**Fixed**
Credits	**3**

IDSN 3041: BUILDING TECH: CONTROL SYSTEMS

PREREQUISITE: IDSN2052. An overview of mechanical (HVAC), plumbing, fire detection and suppression, acoustic, security, and transportation systems as they relate to the design and management of interior spaces. Emphasis is given to the application of technical knowledge to indoor air quality and the design of interior environments.

Credit Type	**Fixed**
Credits	**2**

IDSN 3050: SUSTAINABLE BUILDING PRACTICES

PREREQUISITE: IDSN2052. This course provides an overview of the impact of the built environment on natural resources and sustainable building practices currently used in the industry. Green building rating systems will be introduced.

Credit Type	**Fixed**
Credits	**3**

IDSN 3053: ENVIRONMENTAL GRAPHIC DESIGN

PREREQUISITE: GCDN1071, GRADE OF C OR BETTER Introduction to the study and practice of Environmental Graphic Design (EGD) with an emphasis on understanding visual communication and information systems for navigating and experiencing the built environment. The course will cover theory and practical application of topics related to EGD including: principles of wayfinding, study of three-dimensional design and exploration of typography, symbols, identity and information design in the public space. Cross-listed with GCDN3053

Credit Type	**Fixed**
Credits	**3**

IDSN 3055: KITCHEN AND BATH DESIGN

PREREQUISITE: IDSN2038A An elective interior design course that provides the opportunity for studying the fundamentals of kitchen and bath design. Aspects of technology, accessibility and applicable building codes will be examined. Material, equipment and finish selection, cabinetry detailing and the integrations of lighting, electrical and mechanical systems will be explored.

Credit Type	**Fixed**
Credits	**3**

IDSN 3059: ADVANCED IDEAS SEMINAR IN ID

PREREQUISITE: IDSN2038A, GRADE OF C OR BETTER An open-ended seminar dealing with various aesthetic questions pertinent to the student's needs. Occasional field trips and guest speakers are included in the course activities.

Credit Type	**Fixed**
Credits	**3**

IDSN 3062: ADV COMPUTER MODELING & RENDERING

PREREQUISITE: IDSN2045. An advanced course in 3-D computer modeling and rendering with introduction to programs that are commonly used in professional design practice. This course builds and extends the principles, concepts, and techniques learned in the IDSN2045 Architectural Rendering course. Students are provided with extensive hands-on experience to familiarize themselves with the capabilities of the program(s) utilized in the course. The computer will be used as a tool to generate 3-D models, 2-D renderings, and 3-D walk-throughs of an original studio project to provide practical and competitive industry experience.

Credit Type	**Fixed**
Credits	**3**

IDSN 3064: ADVANCED COMPUTER MODELING

PREREQUISITE: IDSN2045, GRADE OF C OR BETTER An advanced course in 3-D computer generated models, renderings, and walk-throughs as they are used in the practice of Interior Design.

Credit Type	**Fixed**
Credits	**2**

IDSN 4000: DIRECTED PROFESSIONAL EXPERIENCE

A professional experience in interior architecture & design.

Credit Type	**Fixed**
Credits	**3**

IDSN 4041: BUSINESS PRACTICES FOR ID

MUST TAKE CONCURRENTLY WITH IDSN3028A. Professional aspects concerning the practice of interior design including such topics as estimation, trade relations, contracts and office procedures and organization.

Credit Type	**Fixed**
Credits	**3**

IDSN 4042: CONTRACT DOCUMENTS

PREREQUISITES: IDSN3041, IDSN3040, IDSN2044, IDSN2052, and IDSN3028B. A basic course in working drawings and their development in conjunction with specifications. Students examine conventions, techniques and layout by producing a full set of architectural drawings for a small design project. Specifications are written to support the drawings.

Credit Type	**Fixed**
Credits	**3**

IDSN 4050C: SPECIAL TOPICS - INTERIOR DESIGN

Fall 2020 Intro to Digital Layout & Design - This course provides the student an overview of of digital design and layout using image manipulation, page layout and illustration software (ex: Adobe Creative Suite). Students will work closely with other Interior Design classes and produce final projects from those courses in this course. Additional design, layout and photography techniques will be covered to expand the studentâ€™s design skills. Fall 2019 Manuel Drafting- An introduction to drafting techniques that are used by interior designers to represent built environments, as well as the components found in them, with scale drawings. Instruction focuses on understanding concepts and developing the skills needed to produce manually-generated orthographic drawings, architectural lettering, and drawing composition. Course Objectives and Rationale 1. Depict interior environments with scaled orthographic drawings. 2. Use basic manual drafting tools. 3. Understand and apply basic drafting concepts and conventions to develop orthographic drawings. 4. Generate architectural lettering. 5. Demonstrate mastery of course topics through various assignments. SP19 - 2D Composition & Layout: This course will provide students with the strategies and practices used to create effective layouts and presentations. Students will use industry standard design software to study the relationship between type, image, and various grid systems. Emphasis will be placed on understanding typography, grid structure, hierarchy, layout, composition, and proportion. Students taking this course will use apply these skills to revise past and present studio projects including presentation boards, documentation booklets, digital presentations and more.

Credit Type	**Fixed**
Credits	**3**

IDSN 4051: INTERNSHIP I @

PREREQUISITE: IDSN4041. A practical work experience in a field setting. The student receives credit for work performed in the area of interior design.

Credit Type	**Variable**
Credits	**1-6**

IDSN 4052: INTERNSHIP II @

PREREQUISITE: IDSN4051, GRADE OF C OR BETTER A practical work experience in a field setting. The student receives credit for work performed in the area of interior design.

Credit Type	**Variable**
Credits	**1-6**

IDSN 4057: INDEPENDENT STUDY- INTERIOR

This course is designed to allow students to pursue advanced topics in interior design or to study an area of design in more depth. A member of the Design Division must serve as the mentor for the study, and will, together with the student, outline a course of study. Regularly scheduled IDSN courses may not be taken as Independent Study.

Credit Type	**Variable**
Credits	**1-6**

IDSN 4058: PORTFOLIO PRESENTATION

PREREQUISITE: IDSN4059. Instruction and guidance in the preparation of a professional portfolio.

Credit Type	**Fixed**
Credits	**3**

IDSN 4059: SENIOR DESIGN SEMINAR

PREREQUISITES: IDSN3028B and IDSN2015. Principles and techniques of interior design research are applied to a design issue that is selected by a student and approved by interior design faculty. Students present oral and visual documentation of their research to design practitioners. In the last several weeks, students apply the semester's research to a design program and site identification that provide the basis for the design project realized in IDSN4060 Senior Design Seminar II.

Credit Type	**Fixed**
Credits	**3**

IDSN 4060: SENIOR DESIGN CAPSTONE

PREREQUISITES: IDSN4059 and IDSN4042. Building on the research knowledge and design program evolved in IDSN40459 Senior Design Seminar, as well as all previous experiences in the interior design curriculum, a student generates a fully developed design solution that is documented with drawings and/or models. Students present their work at the end of the semester to a design jury.

Credit Type	**Fixed**
Credits	**3**

IE 1040: Engineering Economic Analysis

Credits	**3**

INDS 4055: SELF-DESIGN CAPSTONE EXPERIENCE

Capstone experience designed based on the disciplines of the student.

Credit Type	**Variable**
Credits	**3-6**

INMT 3039: INTERNATIONAL BUSINESS MGMT

An introduction to international business management with particular emphasis on the field of international finance and economics. In addition, the course deals with problems in the area of finance, marketing, production and organization, both from the perspective of the multinational corporation and the domestic corporation trading in international markets.

Credit Type	**Fixed**
Credits	**3**

INMT 3049: INT'L MKT AND EXPORT MGMT

PREREQUISITE: ADMG2021 AND MRKT2021 An upper level course focusing on key management functions in international marketing: entry strategies, product and pricing politics, financing, promotion and distribution. The course will also concentrate on export management that is the major international activity of most small and medium-sized companies. Cross-listed with MRKT3049

Credit Type	**Fixed**
Credits	**3**

INMT 4040: TOPICS AND ISSUES IN

This course will provide an in-depth examination of selected topics and issues in the field of international management.

Credit Type	**Fixed**
Credits	**3**

INMT 4046: INTERNATIONAL FINANCE

PREREQUISITE: FINC3032 A growing number of firms engage in various types of international financial transactions. This course focuses on international financial management issues such as foreign exchange markets, international capital markets such as Eurobond markets and international banks, international banking and international risk analysis.

Credit Type	**Fixed**
Credits	**3**

INMT 4048: INTERNATIONAL LEGAL ENVIRONMENT

PREREQUISITE: INMT3039 This course introduces concepts of international laws of contracts, sales and negotiable instruments. It also provides an overview of problems related to dispute settlement in international business and governmental administrative conflicts that restrict commerce between residents of different nations. Cross-listed with INST4048

Credit Type	**Fixed**
Credits	**3**

INMT 4051: INTERNSHIP I - INTERNATIONAL

A field experience in an international management position under the direction of a field supervisor and a faculty member. The internship is designed to offer the student an opportunity to acquire work experience in an international business environment.

Credit Type	**Variable**
Credits	**1-6**

INMT 4052: INTERNSHIP II - INTERNATIONAL

A field experience in an international management position under the direction of a field supervisor and a faculty member. The internship is designed to offer the student an opportunity to acquire work experience in an international business environment.

Credit Type	**Variable**
Credits	**1-6**

INMT 4057: INDEPENDENT STUDY -

The independent study is intended to give an opportunity to students with superior ability to pursue an area of study in international management that is very specific in focus and/or not covered in existing offerings.

Credit Type	**Fixed**
Credits	**3**

INQU 3001: MEDIA AND DEMOCRACY

PREREQUISITE: ENGL1012 OR ENGL1012H

Credit Type	**Fixed**
Credits	**3**

INQU 3002: ANIMAL RIGHTS

PREREQUISITE: ENGL1012 OR ENGL1012H This course explores human relationships toward nonhuman animals in a variety of areas: food systems, medical experimentation, captivity, and so on. Diverse fields of inquiryâ€”philosophy, literature, ecology, religious studiesâ€”will be tapped to analyze these relationships and to imagine a more just form of interaction between human and nonhuman beings.

Credit Type	**Fixed**
Credits	**3**

INQU 3003: WAR IN FILM AND LITERATURE

PREREQUISITE: ENGL1012 OR ENGL1012H This course explores the idea of war and its impact on individualsâ€”combatants and civiliansâ€”as well as a nationâ€™s culture and values about war, as these are represented in film and literature. The course asks students to use concepts from the fields of literature, film study, history, and cultural studies to analyze and interpret representations of war, including propaganda, newsreels, archival video, still images, feature films, and military history, in order to consider how individuals experience war and how cultures represent war, present and past.

Credit Type	**Fixed**
Credits	**3**

INQU 3004: CRIME, TERROR & THE ENVIRONMENT

PREREQUISITE: ENGL1012 OR ENGL1012H This course, through the integration of the disciplines of criminal justice, national security studies, history, political science, and environmental studies will examine the concept of globalization by focusing on its key components. Elements such as technology, trade, financial networks, reduction of the power of national governments, and the creation and opening of new markets will be explored by looking at their effect on the individual and the community. The course will demonstrate how the global influences on individuals and communities affect both legitimate and illegitimate institutions and organizations. The ultimate focus will be on the increasing power and danger of global crime and terror organizations and how they operate. An appreciation of their everyday social and economic effects on individuals and communities will be developed through case studies of selected deviant organizations. The topics of differing criminal justice and political systems; environmental crime and terrorism; the increasing power of fundamentalist religious groups and their influence on terrorism; and international sharing of information will be presented and problems and solutions will be explored. (GLBL)

Credit Type	**Fixed**
Credits	**3**

INQU 3005: WHY WE FIGHT: HISTORICAL

PREREQUISITE: ENGL1012 An intergrated study of the history and the stories, both historical and fictionalized, of wars, civil wars, revolutions - armed struggles between communities throughout the world. By exploring examples from both the historical recrod, including biography and autobiography, and the tales created about real events and/or realistic characters, such as in novels, short stories, film, and poetry, students will understnding more about who goes to war, why wars are fought, and the road toward peaces. This is vital because War is more than simply an absence of Peace, and in order to more fully carry out part of the University's Mission Statement, "to promote justice and peace in a constantly changing global society," we should learn more about what brings about, occurs during, and may bring to end such tragic strife. There will be four major sections to the course: 1)The leaders, from kings and presidents to lieutenants and NCOs; 2) The common soldiers or sailors, those who follow into battle and/or those who get caught up in it; 3) The causes for which they fought/fight, form high ideals to survival; and 4) A final section that exlores how the three previous issues are intertwined. Included in the course will be the rhetoric both of those who fought and those who told the stories, the methods and tools of warfare, the create and use of propaganda, and the differing views of history/reality from opposing sides in battle.

Credit Type	**Fixed**
Credits	**3**

INQU 3007: GAME STUDIES

PREREQUISITE: ENGL1012 The course is an introduction to the significance of games through human history and their evolving role in the digital age. The course will include examining how games are made, logical progressions of play, how games can teach as well as create narrative structures similar to film, television and literature.

Credit Type	**Fixed**
Credits	**3**

INQU 3007H: GAME STUDIES

PREREQUISITE: ENGL1012 -- PENDING SENATE APPROVAL The course is an introduction to the significance of games through human history and their evolving role in the digital age. The course will include examining how games are made, logical progressions of play, how games can teach as well as create narrative structures similar to film, television and literature.

Credit Type	**Fixed**
Credits	**3**

INQU 3013: AMERICAN JUSTICE

PREREQUISITE: ENGL1012 OR ENGL1012H This Criminal Justice, depth of knowledge course requires students to become part of an interdisciplinary exploration of ??Justice in America,?ť both criminal and social. The topic of justice has historical roots and several definitions. It encompasses varying concepts and principles that are integral to a full understanding of societyâ??s procedures for handling conflicting individual or institutional claims involving law, morality, or politics. The course features film-enhanced lectures, readings, and the Socratic discussion of moral dilemmas, political issues, and legal cases. Students are expected to write both an analytical essay and a case study on their choices of a film, legal case, or assigned reading. The course culminates in team debates that require critical thinking, communication skills, and the use of technology.

Credit Type	**Fixed**
Credits	**3**

INQU 3015: EARLY CANADIAN HISTORY AND TALES

PREREQUISITE: ENGL1012 A multi-disciplinary study of the early history of Canada, up to the late 1800s, and the literature and films both from and about those times. Students will begin this study with the times of the first explorers, from Champlain's books, to the colonization of the land and native people by the French, especially its Catholic missionaries. The course will then transition to the arrival of the British, beginning with the war that expelled French rule but not its colonists in the east, the impact of wars with America (both the Revolution and the War of 1812), and the push west to the edge of the Prairies. Finally, we will explore the great Arctic explorers' stories, such as Franklin's epic and tragic history, the Métis rebellion in the country's heartland, and the literal nation building accomplished by the cross-continental railroad reaching Vancouver, 1871-1885, soon after the nation's Confederation in 1867.

Credit Type	**Fixed**
Credits	**3**

INQU 3016: THE HOLOCAUST & MODERN GENOCIDE

PREREQUISITE: ENGL1012 This course explores the history and legacy of the Nazi Holocaust. Through diverse fields of inquiry including history, literary analysis, psychology, philosophy, and religious studies, students will gain a deeper understanding of the Holocaust and grapple with the ongoing reality of genocide in the modern world.

Credit Type	**Fixed**
Credits	**3**

INQU 3018: FILMS, FICTIONS, & ALTERNATE HISTOR

This course examines contemporary feature films or other film types that present alternate versions of history. The course asks students to use concepts from the fields of film study, textual criticism, cultural studies and history to analyze and interpret films that are “historical fictions” in order to consider how such films illuminate our understanding of the past and the ways we think about culture and society.

Credit Type	**Fixed**
Credits	**3**

INQU 3019: UNDERSTANDING AI FOR THE FUTURE

This interdisciplinary course introduces students from all majors to the rapidly evolving field of Artificial Intelligence (AI). Students will examine what AI is, how it functions in everyday life, and the ethical, social, and professional implications of its use. Through guided inquiry, students will evaluate AI's role in shaping the future of work, communication, creativity, and human decision-making. The course culminates in a final project in which students analyze their chosen career path and propose how AI tools and ethical considerations will shape their profession.

Credit Type	**Variable**
Credits	**3**

INQU 4001: THE CLASH OF CONSCIENCE AND

PREREQUISITE: ENGL1012 OR ENGL1012H The course will explore social conventions depicted in literary texts and films to examine the psychological, social, cultural and historical contexts in which our pursuit of ethical behavior operates. Through discussions of textsâ€™ and filmsâ€™ depictions of individualsâ€™ behavior in morally complicated situations, students will deepen their understanding of ways in which cultural standards intersect with ideals of fairness according to their personal framework of values and ethics.

Credit Type	**Fixed**
Credits	**3**

INQU 4001H: THE CLASH OF CONSCIENCE AND

PREREQUISITE: ENGL1012 OR ENGL1012H This course will examine social conventions depicted in literary texts and films to coherently and cogently articulate the psychological, social, cultural and historical contexts in which our pursuit of ethical behavior operates. Through essays that draw on analytical thinking and research skills using primary and secondary sources, students will evaluate textsâ€™ and filmsâ€™ depictions of individualsâ€™ behavior in morally complicated situations to explore ways in which cultural standards intersect with ideals of fairness according to their personal framework of values and ethics. For Honor or 3.5 students.

Credit Type	**Fixed**
Credits	**3**

INQU 4003: VIRTUAL COMMUNITIES & SOCIAL MEDIA

PREREQUISITE: ENGL1012 OR ENGL1012H This course will assist the student in examining virtual communities from the perspective of issues related to social media tools. Some areas that will be examined include ethical values, regulations/laws, free speech, content controls, intellectual properties, privacy, security, and safety in virtual communities. We will discuss what we mean by virtual community and how we encourage, discuss, analyze, understand, design, and participate in healthy communities in the age of many-to-many social media. Students will need the willingness to immerse in social media practices and develop a notion of how these practices affect self and community.

Credit Type	**Fixed**
Credits	**3**

INQU 4003H: VIRTUAL COMMUNITIES AND SOCIAL

PREREQUISITE: ENGL1012

Credit Type	**Fixed**
Credits	**3**

INQU 4005: HISTORY AND PHILOSOPHY OF SPORTS

This course will blend both historical and philosophical studies of sport and human movement. We will explore chronologically ways in which movement has been used for various purposes from survival to entertainment and competition. Through this chronology, students will also engage in philosophical and ethical analyses alongside explorations of cultural shifts that have emerged from different ethnic, racial, gender, and national traditions.

Credit Type	**Fixed**
Credits	**3**

INQU 4008: MIGRATION IN THE MODERN WORLD

This course examines the mass movements of people in the modern world. It offers a critical look at the structural causes of migration, the process of acculturation and identity-building among immigrant communities, and the collective responses of dominant groups as well as states against migrants. Through informed analysis and use of interdisciplinary theories, the course helps students develop a comprehensive understanding of migration as a critical component of the present world system.

Credit Type	**Fixed**
Credits	**3**

INQU 4017: DISEASES THAT CHANGED THE WORLD

PREREQUISITE: ENGL1012 OR ENGL1012H The history of the world has been and continues to be significantly impacted by infectious diseases. Examples include changes in ethnic diversity in the U.S. due to European potato blights, the outcome of world wars where more soldiers died of influenza or cholera than battle wounds, the destruction and contamination of the natural environment in attempts to control malaria- and yellow fever-carrying mosquitoes, and prejudices against various national and ethnic groups as carriers of disease. At the same time that infectious diseases have altered human politics, economics and culture, human behaviors and technological advances have caused the global spread of once-isolated diseases and the emergence of new plagues. However, history has also shown that, with the right combination of scientific knowledge and global political, financial and social commitment, even the oldest and most feared microbial plagues can be controlled and possibly even eradicated. This course is a study of the history of various infectious diseases including the biological, social, economic and political factors that affect and are affected by these diseases.

Credit Type	**Fixed**
Credits	**3**

INQU 4019: GALAPAGOS ISLANDS COMMUNITIES

PREREQUISITE: ENGL1012 Communities are not just about people. A biological community refers to all populations of all species occupying a specified area. This course will examine the communities (human and non-human) of one of the most unique ecosystems on Earth: The Galapagos Islands. Participants will learn about the diversity of wildlife and environmental conditions that gave rise to Darwin's theory of evolution by natural selection. The course will promote an understanding of the impact of human activity on the rest of the natural world and the interdependence among all living things.

Credit Type	**Fixed**
Credits	**3**

INQU 4025: WOMEN ACROSS CULTURES

PREREQUISITE: ENGL1012 OR ENGL1012H This course explores the varying roles, positions and statuses across the globe. This course will combine perspectives from women?s studies, cultural studies, and sociology to illuminate the status of women in their many roles, as family members, as workers, and as community, political and religious leaders. The course will examine the changes wrought by globalization on woman from diverse socio-economic and geographic backgrounds.

Credit Type	**Fixed**
Credits	**3**

INST 2001: GLOBAL POLITICS (POLI2001)

This is an introductory course in the field of international relations, providing an overview of major theories and concepts of international relations and an historical background for contemporary world politics. Major topics include the contemporary international system, economic development, foreign policy behavior, international conflicts and international institutions. Cross-listed with POLI2001

Credit Type	**Fixed**
Credits	**3**

INST 2011: WORLD GEOGRAPHY (GEOG2011)

A study of the interactions between human beings and the land, and the influence of geography in shaping work and culture throughout the world. Cross-listed with GEOG2011

Credit Type	**Fixed**
Credits	**3**

INST 2013: INTRO TO INTERNATIONAL STUDIES

This course is an introduction to the interdisciplinary field of international studies. It is designed to acquaint students with major trends and key themes in global and international issues today. Students will discuss the origins and development of the field, along with theories and concepts relevant to the study of international issues. There will also be an emphasis on the impact of globalization on various aspects of social, political, and economic life, including development, culture, health, food, security, and the environment.

Credit Type	**Fixed**
Credits	**3**

INST 2013H: INTRO TO INTERNATIONAL STUDIES

This course is an introduction to the interdisciplinary field of international studies. It is designed to acquaint students with major trends and key themes in global and international issues today. Students will discuss the origins and development of the field, along with theories and concepts relevant to the study of international issues. There will also be an emphasis on the impact of globalization on various aspects of social, political, and economic life, including development, culture, health, food, security, and the environment.

Credit Type	**Fixed**
Credits	**3**

INST 3001: INTERNATL ORG AND THE LEGAL

An overview of major theories of international political economy including a more detailed understanding of the fast growing economic and institutional infrastructure of the international system. Topics include the development of intergovernmental and non-governmental international organizations (IGOs and NGOs), international treaties and laws governing trade and business practices, and mechanisms for the resolutions of international disputes.

Credit Type	**Fixed**
Credits	**3**

INST 3003: INTERNATIONAL POLITICAL ECONOMY

PREREQUISITE: ADMG1005 An overview of major theories of international political economy including a more detailed understanding of the fast growing economic and institutional infrastructure of the international system. Topics include the development of intergovernmental and non-governmental international organizations (IGOs and NGOs), international treaties and laws governing trade and business practices, and mechanisms for the resolutions of international disputes. Cross-listed with ADMG3003

Credit Type	**Fixed**
Credits	**3**

INST 3010: CULTURAL GEOGRAPHY AND THE HUMAN

The many ways in which humans have changed the face of the earth in response to culture is known as the human mosaic. This course applies the major themes of cultural geography to population, language, religion, agriculture and urbanism. A basic knowledge of world geography is assumed. Cross-listed with GEOG3010

Credit Type	**Fixed**
Credits	**3**

INST 3011: RESEARCH METHODS (SOCL3011)

PREREQUISITE: MATH1040 This course introduces the student to the design of explanatory models in the field of international relations, methods for literature surveys and more commonly used quantitative and qualitative analytical techniques. Cross-listed with SOCL3011

Credit Type	**Fixed**
Credits	**3**

INST 3013: GEOGRAPHY AND WORLD AFFAIRS

An overview of various regions of the world and the environmental conditions to which people adapt. Racial, linguistic, religious and economic groupings of people will be stressed. Current world events are examined to develop knowledge about historical, geographic, climatic, political and religious environments which people inhabit. Cross-listed with GEOG3013

Credit Type	**Fixed**
Credits	**3**

INST 3021: COMPARATIVE GOVERNMENT

This course focuses on the government, policies and politics of different nation-states around the world, and investigates the political science approaches to studying government and politics in different parts of the world. The focus in not only on forms of governments, but also the major political and social factors that affect political change in different world areas, the relationship between states and societies, and the comparative study of democratic and non-democratic nations. Cross-listed with POLI3021

Credit Type	**Fixed**
Credits	**3**

INST 3023: MODERN U.S. DIPLOMATIC HISTORY

This course presents a study of the major developments in American diplomatic history. Special emphasis is placed on the years from World War II until the present. Major international developments and their effects on American diplomacy are discussed along with the impact of various presidents and the influence of the United Nations. The interrelation between foreign policy and domestic opinion is also examined. Cross-listed with HIST/POLI3023

Credit Type	**Fixed**
Credits	**3**

INST 3025: DEVELOPMENT: POLITICAL, SOCIAL

A study of the political, social, and economic realities of Latin America, Asia, and Africa. Emphasis is placed on ecological, racial, ethnic, and population problems, as well as on the legacy of colonialism, developmentalism, and dependency. Human rights and special problems of women will also be addressed. Cross-listed with POLI3025

Credit Type	**Fixed**
Credits	**3**

INST 3027: HISTORY OF MODERN EUROPE

A survey of modern European history (beginning with the turn of the century) that is intended to provide global awareness and an appreciation of the accomplishments of other cultures. This course also provides a particular perspective of the American way of life as it has been influenced by European cultures. Cross-listed with HIST3027

Credit Type	**Fixed**
Credits	**3**

INST 3028: EAST ASIAN HISTORY (HIST3028)

An overview of the history of Korea, Japan, China, Singapore, Taiwan, Hong Kong, and Malaysia. The domestic, political, social, and economic bases of the historical development of these nations will be considered. Political influences of other world powers will be considered. Cross-listed with HIST3028

Credit Type	**Fixed**
Credits	**3**

INST 3033: AMERICAN FOREIGN POLICY

The reasons behind the foreign policy decisions of the U.S. government in recent decades are examined; different theories are explored for explaining shifts and continuities in foreign policy decision-making. Contemporary challenges to American foreign policy, from Iraq and security threats to peace-making efforts in the Middle East, are analyzed. Cross-listed with POLI3033

Credit Type	**Fixed**
Credits	**3**

INST 4048: INTERNATIONAL LEGAL ENVIRONMENT

PREREQUISITE: INMT3039 This course introduces concepts of international laws of contracts, sales and negotiable instruments. It also provides an overview of problems related to dispute settlement in international business and governmental administrative conflicts that restrict commerce between residents of different nations. Cross-listed with INMT4048

Credit Type	**Fixed**
Credits	**3**

INST 4051: International Studies - Internship I

INST 4055: SENIOR SEMINAR (SOCL4055)

This is the capstone course for all international studies students. It will be the vehicle for students to synthesize their knowledge of international relations through the development of individual research endeavors in a special topic relevant to their respective concentration areas. Students will have the opportunity to discuss and share their research with fellow students in a seminar format. Cross-listed with SOCL4055

Credit Type	**Fixed**
Credits	**3**

INST 4057: INDEPENDENT STUDY -

Students work independently with a faculty member on a topic of relevant interest to the advanced student pursuing a major in International Affairs.

Credit Type	**Fixed**
Credits	**1-3**

ISTC 1006: Advanced Practical Computer Applications

Credits	**3**

ISTC 1010: DIGITAL LITERACY

This course addresses information and technological literacy in the digital age. Students will develop cognitive and technological competencies in both the discovery and evaluation of information, as well as the creation and dissemination of content, all within a digital context. Students will be introduced to a set of basic digital tools, but the focus will be placed on developing the ability to adapt to new and changing technologies in the future.

Credit Type	**Fixed**
Credits	**3**

ISTC 1021: PROBLEM SOLVING

This course provides step-by-step progression, with detailed explanations and many illustrations, from the basic of mathematical functions and operations to the design and use of such techniques as codes, indicators, control-breaks, arrays, pointers, file updates, report handling, data structures, and object-oriented programming. The tools of problem solving, including decision tables and trees, structure charts, IPO charts, algorithms, and flow-charts are demonstrated and explained. Throughout the course, typical business problems are presented for solutions, providing excellent experience for the students.

Credit Type	**Fixed**
Credits	**3**

ISTC 1025: COMPUTER HARDWARE

This course provides both a theoretical and a hands-on, detailed, progressive examination of personal (PC) computer system hardware, both stand alone personal computers and distributed-data/networking hardware. Throughout the course, the concepts discussed, and the hardware-related problems presented for discussion and solution, are typical of the knowledge required to work with personal and business-world computer hardware applications, providing excellent experience for the students.

Credit Type	**Fixed**
Credits	**3**

ISTC 2005: IT: A GLOBAL PERSPECTIVE

PREREQUISITE: ISTC1010 This course provides students with an introductory and general examination of computer-based systems and users as they exist throughout the world. A particular focus of this course is providing students with an overview of information technology, as it exists in both the developing as well as the developed world. To this end, students will examine computer use trends, industry trends, economic and resource patterns, employment trends and cultural patterns that affect or are affected by information technology.

Credit Type	**Fixed**
Credits	**3**

ISTC 2008: INTRO TO CYBERSPACE

PREREQUISITE: ISTC1010 This course introduces the student to the world of the Internet. The course will focus on the effective and efficient use of the Internet to find and evaluate quality resources, communicate and collaborate using appropriate tools, create HTML files, and examine issues such as privacy, security and safety.

Credit Type	**Fixed**
Credits	**3**

ISTC 2021: MGMT OF INFORMATION SYSTEMS

This course provides discussion and analysis of current issues related to the management of information systems. The components of an information system; hardware, software, data, connectivity, procedures and people are discussed in relationship to a variety of information systems including collaboration information systems, social media information systems, and enterprise wide systems such as Enterprise Resource Planning, Customer Relationship Management and Supply Chain Management. Other major areas of analysis include cloud computing, business intelligence, and the Systems Development Life Cycle. The focus of the analysis is using Information Systems to gain a competitive advantage in the marketplace.

Credit Type	**Fixed**
Credits	**3**

ISTC 2025: DISTANCE LEARNING AND IT SUPPORT

PREREQUISITE: ISTC2008, ISTC1010, ENGL2030 This course focuses on the design, development, and evaluation of distance learning systems and technology related technology support. An introduction to instructional design theory as it relates to distance learning will be included. Additionally, this course will include development of training materials and examination of technology tools needed to support eLearning.

Credit Type	**Fixed**
Credits	**3**

ISTC 2030: NETWORKING

PREREQUISITE: ISTC1025 This course provides students with an introductory examination of computer-based networked environments. Of particular interest in this course is providing students with both a conceptual as well as an applied understanding of networks and networking. Students will be introduced to the organizational framework in which networking exists. Additionally, students will have the opportunity to explore networking on practical and applied levels so that issues such as hardware and software solutions and applications, as they relate to networked environments, will be examined.

Credit Type	**Fixed**
Credits	**3**

ISTC 2045: DATA BASE MANAGEMENT SYSTEMS

PREREQUISITE: ISTC1010 This course provides the basic knowledge required to operate and use a computer to perform the practical tasks of data file creation, retrieval of data and maintenance of data files. DBMS's are used for all types of applications involving medium-to-large scale data files. Major focus is on the acquisition of a working knowledge of the theories, principles and operating procedures of data base management systems using a representative DBMS. This course is appropriate for all potential users of computers in all fields of study.

Credit Type	**Fixed**
Credits	**3**

ISTC 2050: DISTRIBUTED SYSTEMS

PREREQUISITE: ISTC1010 In this course, the features and operations of centralized, decentralized and distributed systems are examined. Implications of hardware, software and communications are discussed in relationship to the design, development and implementation of communication systems. Industry-wide standards, protocols and architectures are discussed within the context of enterprise wide systems.

Credit Type	**Fixed**
Credits	**3**

ISTC 3005: INTRO TO INTELLECTUAL PROPERTY

PREREQUISITE: ISTC1005 AND ISTC1010 This course provides students with an introduction to and overview of those fundamental legal issues that are pertinent to the acquisition and deployment of information technology. Students will be given an overview of local, federal and international legal systems and their relationship to intellectual, civil and criminal legal principles as they apply to information technology.

Credit Type	**Fixed**
Credits	**3**

ISTC 3008: WEB PAGE USABILITY AND

This course offers a comprehensive analysis of Web sites. Emphasis will be on the development of interactive web pages and the interpretation of data gathered from visitors for presentation to web site owners. Web sites will be loaded on to a network and evaluated for functionality, effectiveness and delivery of data exchange. The emphasis of this course is to produce dynamic, interactive web pages that will integrate with databases.

Credit Type	**Fixed**
Credits	**3**

ISTC 3010: IT SERVICES ADMINISTRATION

This course offers a comprehensive investigation of the duties and responsibilities of an Information Technologist. Four areas of concern for the IT specialist in this capacity are: Help Desk support, Web Page Support, Training and Development and Customer/Service Relationships. During this course, the student will participate in the on campus Student to Student Help Desk.

Credit Type	**Fixed**
Credits	**3**

ISTC 3015: HUMAN-COMPUTER INTERACTION

PREREQUISITE: ISTC1021, ISTC1005, ISTC1010 This course is an introduction to the interdisciplinary field of human-computer interaction (HCI). The study of HCI focuses on the interaction between users and their computer systems. The course also examines the implications and effects of human-computer interaction in and for society; conversely, the course explores ways that society influences human-computer interactions. Analysis of interface design will be included, in the context of evaluation and evolution of usability.

Credit Type	**Fixed**
Credits	**3**

ISTC 3020: COMPUTER PROGRAMMING: COBOL

PREREQUISITE: ISTC1021 This course introduces the student to computer programming using the COBOL (Common Business Oriented Language) programming language. The conventions of the language, its applications and applications-related advantages and disadvantages are presented. The course develops the student's proficiency in understanding and applying the problem-solving logic, methods and procedures of programming in this language, and of programming in general. This course is appropriate for all potential users of computers in business-related fields of study.

Credit Type	**Fixed**
Credits	**3**

ISTC 3025: CASE STUDIES USING ADVANCED EXCEL

PREREQUISITE: ISTC1010 Case Studies Using Advanced Excel is designed to provide students with advanced Excel applications requiring analytical skills. This course will require application within a variety of both profit and non-profit situations and will focus on problem solving and critical thinking with Excel. Excel skills incorporated into case studies will include, but are not limited to: Pivot tables and charts, VLOOKUP, IF,AND,OR formulas, Text-to- Columns, and the Concatenate function. Other software, for which Excel serves as a basis, may also be covered. Cross-listed with ADMG3025

Credit Type	**Fixed**
Credits	**3**

ISTC 3028: SCRIPTING FOR THE WEB I

PREREQUISITE: ISTC2045, ISTC1005, ISTC1010 An introduction to content the student needs to create effective and interactive Web sites. Discover the integration of Web authoring tools and XHTML, HTML, Cascading Style Sheets (CSS) and web site design best practices to promote a successful site. This course will use the latest scripting language for websites. Revisit topics of ISTC2008 Intro to Cyberspace and introduce more advanced techniques involving hyperlinks, embedded objects, and multimedia activity in the web site.

Credit Type	**Fixed**
Credits	**3**

ISTC 3030: LINUX

This course provides a hands-on, step-by-step, progressive examination of the Linux/UNIX operating system. The student will explore Linux/UNIX commands, the various shells used in Linux/UNIX, and some of the applications available in Linux/UNIX, including X Windows and a variety of productivity applications (word processing, spreadsheet program(s), data base management system program(s) et al). Throughout the course, OS-related problems presented for solution are typical of personal and business-world applications of the OS, providing excellent experience for the students.

Credit Type	**Fixed**
Credits	**3**

ISTC 3031: ADVANCED NETWORKING AND TELECOM

PREREQUISITE: ISTC2030 This course builds on the foundation knowledge of ISTC2030 Networking. The content will help the student design, install, maintain and administer networks with confidence. Networking is an extraordinarily complex topic that is evolving daily, requiring skills to evaluate and compare new technologies; this course offers the student a framework for success in network topologies.

Credit Type	**Fixed**
Credits	**3**

ISTC 3034: PROGRAMMING IN JAVA

PREREQUISITE: ISTC1021 This course introduces the student to computer programming using the cross-platform Java programming language. The conventions of the language, its applications and applications-related advantages and disadvantages are presented. Students will be introduced to the concepts and techniques of Object-Oriented Programming (OOP).

Credit Type	**Fixed**
Credits	**3**

ISTC 3046: ADV DATA BASE MGMT SYSTEMS

PREREQUISITE: ISTC1005, ISTC1021, ISTC2045, ISTC1010 This course focuses on an investigation and application of advanced data base concepts including data administration, data base technology and selection and acquisition of data base management systems (DBMS). It includes an in-depth practicum in data modeling and system development in a data base environment.

Credit Type	**Fixed**
Credits	**3**

ISTC 3064: PYTHON PROGRAMMING

This course introduces the student to computer programming using the cross-platform Python programming language. The conventions of the language, its applications, and its applications-related advantages and disadvantages are presented. Students will be introduced to concepts and techniques of Object-Oriented Programming (OOP).

Credit Type	**Variable**
Credits	**3**

ISTC 4042: SYSTEMS ANALYSIS AND DESIGN

PREREQUISITE: ISTC1021, ISTC1005, ISTC2021, ISTC2045, ENGL2030, ISTC1010 This course is an overview of the systems development life cycle and its use in analyzing and designing systems. It includes concepts of project roles, cost estimates, documentation (deliverables), tools and techniques for management of processes and communications.

Credit Type	**Fixed**
Credits	**3**

ISTC 4051: INTERNSHIP I @

A field experience in an information systems position, supervised by a field supervisor as well as college faculty. The internship is designed to increase understanding of IST and the IST-related issues and perspectives as they relate to the business and social environment.

Credit Type	**Variable**
Credits	**1-6**

ISTC 4055: IT-SENIOR SEMINAR

PREREQUISITE: ISTC4042 This comprehensive capstone course provides students with an opportunity to develop an individual and group project demonstrating their Information Technology and project management skills. Students will examine emerging technologies and their implications for IT, refine their presentation skills and research Information Technology related issues.

Credit Type	**Fixed**
Credits	**3**

ISTG 5010: CYBER SECURITY & DISASTER RECOVERY

This course focuses on the need for businesses and individuals to protect their information assets. In an era where every device is connected to the internet, cybersecurity and privacy are more critical than ever. Topics include the need for businesses to protect the integrity of their data and proprietary information. Additionally, the risk assessment process and techniques utilized to mitigate risk are discussed in detail.

Credit Type	**Fixed**
Credits	**3**

ISTG 5015: SOCIAL COMPUTING SYSTEMS

The uses of social computing systems have significantly impacted the ways businesses and individuals function and communicate. This course examines the types of social computing systems including social media and collaborative information systems within the context of the business enterprise. The use of these systems for effective decisions making and strategic thinking will be examined in detail.

Credit Type	**Fixed**
Credits	**3**

ISTG 5020: CLOUD COMPUTING & CLIENT ARCHITECTU

This course provides a comprehensive look at cloud computing by focusing on the cloud service models of Software as a Service (SaaS), Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Business Processes as a Service (BPaaS). Cloud computing allows both small and large organizations to dynamically scale their computing resources. The implications of cloud computing on corporate IT infrastructure, collaboration, security, and privacy will be discussed.

Credit Type	**Fixed**
Credits	**3**

ISTG 5025: LEGAL & ETHICAL ISSUES IN INFORM SY

This course provides coverage of legal and ethical issues pertaining to the management, governance, and use of information systems. Intellectual property, copyright, privacy, digital access and rights are just a few of the topics included. Ethical decision making within an Information Systems environment will be addressed through the case study approach.

Credit Type	**Fixed**
Credits	**3**

ISTG 6005: APPLIED AI: BUILDING & DEPLOYING AI SOLUTIONS

This course explores how AI systems are built, deployed, and operated in cloud environments using modern practices. Students follow the lifecycle of an AI service from initial design through cloud deployment, monitoring, governance, and scale. The emphasis is on understanding how infrastructure, policy, organizational constraints, and leadership decisions shape real-world AI adoption—and on developing the judgment to make and defend those decisions.

The course is designed for students with a mix of technical and business backgrounds. Rather than requiring deep software engineering skills, it focuses on the decisions, tradeoffs, and operational thinking that managers, analysts, and technical leads need when bringing AI systems into production. Students will write Python scripts, call APIs, use managed cloud services, and work with AI coding assistants.

The course is built around designing, building, and operationalizing an AI-enabled service for an institution, using La Roche as the reference environment. Each four-hour session is split into two halves—a lecture and concepts portion followed by a hands-on lab—so that every idea is immediately applied.

Credit Type	**Fixed**
Credits	**3**

ISTG 6010: OBJECT ORIENTED SYSTEMS

PREREQUISITE: ISTC3034 This course incorporates the use of object oriented programming languages such as Python and Java to develop solutions based on organizational needs assessments. Effective analysis will result in the subsequent design of object oriented solutions. Prereq: ISTC3034 Programming in Java, or transfer equivalent or work experience.

Credit Type	**Fixed**
Credits	**3**

ISTG 6015: DATA MINING, DATA ANALYTICS AND

PREREQUISITE: ISTC2045 This course focuses on the collection, analysis, and utilization of data. Because of the size and complexity of the data, tools for statistical analysis will be utilized. Topics include modeling, key performance indicator identification, and data visualization. Use of data analytics for strategic decision making and actionable insights across the organization will be discussed. Statistical software such as SPSS or SAS and web analytical tools such as Google Analytics may be incorporated as well as the R programming language, a tool for statistics, visualization, and data science. Prereq: ISTC2045 Data Base Mgmt Systems or ISTC3046 Advanced Data Base Mgmt Systems, or transfer equivalent or work experience.

Credit Type	**Fixed**
Credits	**3**

ISTG 6020: STRATEGIC MANAGEMENT OF INFO SYSTEM

PREREQUISITE: ISTC2021 Organizations must recognize the need to manage Information Systems as a strategic resource. This course will explore the need for corporate vision within the technological environment. It focuses on information system integration and the strategic challenges of the digital world as well as an organization's core competencies, competitive strategies and information systems strategies. Policies and procedures concerning the implementation of information systems are also discussed. Approaches to the effective management of information systems are analyzed using the case study methodology. Prereq: ISTC2021 Management of Information Systems, or transfer equivalent or work experience.

Credit Type	**Fixed**
Credits	**3**

ISTG 6025: PROJECT MANAGEMENT

PREREQUISITE: ISTC4042 Analysis of the major components of project management is the focus of this course. The requirements of managing projects locally and across the globe are considered. This course focuses on the organization's need to organize, plan and control projects and their associated costs and resources. Change management as an integral part of the changing dynamic within information systems will be discussed in detail. Topics include the project management life cycle; initiating the project, stakeholder analysis, project roles and responsibilities, planning, controlling, organizational styles and managing expectations. This is a project based course in that students will be required to use the appropriate tools to actively organize and manage a project. Prereq: ISTC4042 Systems Analysis & Design or transfer equivalent or work experience.

Credit Type	**Fixed**
Credits	**3**

ISTG 6030: ENTERPRISE INFORMATION SYSTEMS

This course focuses on the integration and implementation of enterprise information systems. From Customer Relationship Management, Supply Chain Management and Knowledge Management to Business Process Reengineering, the challenges of enterprise wide evaluation and implementation are discussed and analyzed. This course focuses on the technical and managerial aspects of enterprise information systems including Enterprise Resource Planning. Business Process Reengineering is the basis for evaluation of the enterprise wide system requirements and includes the planning, designing, implementing and controlling. Major competitors in the ERP domain will be discussed in detail.

Credit Type	**Fixed**
Credits	**3**

ISTG 6050: MSIS CAPSTONE EXPERIENCE

PREREQUISITE: ISTG6020. This capstone experience is meant to provide a synthesizing experience for students. In consultation with a faculty advisor and based on academic and career goals, students will develop a comprehensive applied project, write a comprehensive thesis or take part in a graduate level internship experience. This course will culminate in a final professional presentation.

Credit Type	**Fixed**
Credits	**3**

ISTG 6051: INTERNSHIP @

An optional internship in Information Systems.

Credit Type	**Variable**
Credits	**1-6**

LEAD 3001: DYNAMICS OF TEAMS

The purpose of the team building course is to form the cohort into a team that will be supportive of each other. This course provides an examination of team processess,structure, and behavior in organizations. The module places special emphasis on problem solving in-groups, consensus building and using effective team processes and skill development. Students learn decision-making theory and apply those theories as they study the decision- making process. Using an interdisciplinary approach, the module addresses psychological, sociological, political and management approaches to decision- making. The course also focuses on tools used to enhance decision making including cost benefit analysis, responsibility charting and force filed analysis.

Credit Type	**Fixed**
Credits	**3**

LEAD 3051: INFORMATION LITERACY

It is the purpose of this course to introduce students to the fundamental software application skills required to be productive in today's business world. This course provides the critical skills necessary to evaluate and determine useful quality information for decision- making in an organization. Topics such as problem solving, search strategies for research queries, how to identify good quality information, data collection and analysis, and finally effective communication of results will be discussed. Emphasis will be on formatting works cited, and creating charts and graphs and professional PowerPoint presentations.

Credit Type	**Fixed**
Credits	**3**

LEAD 3056: MANAGEMENT & FINANCIAL ANALYSIS

The course is designed to teach the student how to work and manage diverse groups of people in complex organizations. This course looks at traditional and current philosophies of management, theories of motivation and empowerment, job design, contemporary management theories and recent trends in management. Also the focus will be on external capital sources and processes of financing, accounting principles, short and long term financing, and capital budgeting. It is an introduction to the concepts and the problems associated with management of capital.

Credit Type	**Fixed**
Credits	**6**

LEAD 3061: MACRO-ORGANIZATIONAL BEHAVIOR

This course examines macro organizational behavior concepts like organizational learning, strategy, structure and design, change management and the role of business and society to the LEAD lexicon. This course will explore, dissect, and distinguish various approaches to employing these concepts as tools to enhance organizational performance. In so doing, we will examine the works of contemporary business writers such as Peter Drucker, Warren Bennis, Jay Conger, Henry Mintzberg, Noel Tichy, Charles Manz, and Peter Senge to name a few.

Credit Type	**Fixed**
Credits	**3**

LEAD 4001: LEADERSHIP AND ETHICS

The business ethics portion of this course provides students with an ethical framework they can apply in the workplace. Students are confronted with ethical issues and taught to resolve them in the organizational context. In addition, students are taught how an individual and an organization can be socially responsible. The leadership portion of this course engages the student in an active exploration of leadership-what is it, and how one develops this trait. To do this, the course emphasizes self-examination and application of leadership concepts as well as surveying various approaches to leadership development and theory.

Credit Type	**Fixed**
Credits	**3**

LEAD 4021: COMMUNICATING CHANGE

The purpose of this course is to introduce students to theories and practices of effective interpersonal communication and public speaking relevant to organizational settings. Students study theory so that they have an understanding of why communication is central to achieving organizational goals, and why ethical communication is necessary to long-term organizational success. Students learn to apply theory by developing skills in listening, assessing organizational "audience" and barriers to communication, and by researching and giving presentations on social support, networking, and managing conflict. A segment of this course will also address the importance of communicating the change process in an organization. Students will study various approaches to announcing change and implenting change within an organization.
Within the Research portion of this course, the student will learn how to develop a survey. The survey must provide solutions to a problem and collect participants' ideas and opinions are the subject. This survey will be distributed and results tabulated and discussed within the remaining courses of this program.

Credit Type	**Fixed**
Credits	**3**

LEAD 4026: GLOBAL THINKING AND E-COMMERCE

The purpose of the global thinking course is to introduce the LEAD student to methods and implications of thinking on a global level. Multiculturalism will be a major component. The impact of different political systems will be briefly addressed, primarily in the context of how global politics affects business. Finally, the course will address how a business can thrive in a global economy and avoid problems unique to operating management of technology. The increasing recognition of its strategic, competitive value emphasizes the business importance of rethinking IT management.

Credit Type	**Fixed**
Credits	**3**

LEAD 4031: HR CONCEPTS AND NEGOTIATIONS

The effective management of human resources is a key requirement for managers in any organization. This course concentrates on legal aspects of managing human resources in an organization. It covers laws that govern employee discrimination, safety and health, family and medical leave issues and termination. In addition, employee job performance measurement and compensation topics are addressed. This course concentrates on the relationship among employers, employees and unions in the private sector. It covers labor history and basic labor law, union organizing and union avoidance, collective bargaining, and contract administration, including labor arbitration.

Credit Type	**Fixed**
Credits	**3**

LEAD 4061: CAPSTONE PROJECT

LEADERSHIP MAJORS ONLY. This course provides the critical skills necessary to evaluate and determine useful information for decision- making in an organization. The student will have an opportunity to study expert's research. We will explore problem solving, search strategies for research queries, how to identify good qualify information, data collection and analysis, and finally effective communication of the results.
The Capstone Project will replace current Research Project and should be introduced early in the program and be an ongoing assignment for the cohort. Perhaps, a chapter of an overall paper will be generated after each module, along with the module assignment.

The student will notice that this assignment of this course is spread out over a period of nearly 9 months to do the actual research for the project.

Credit Type	**Fixed**
Credits	**3**

LRUX 1001: LRX: FOUNDATIONS AND MISSION

This course will introduce new students to the Mission and History of La Roche University and the academic experience of a four-year college. Academically, the course will help prepare students for collegiate level course work, for career development, and for service through their respective disciplines. It will introduce students to the history and heritage of the entire University community that they have now joined and map out their journey through the La Roche experience.

Credit Type	**Fixed**
Credits	**1**

LRUX 2500: INVESTIGATING SOCIAL PROBLEMS

PREREQUISITE: LRUX1001 This class INCLUDES 20 HOURS OF SERVICE-LEARNING TO BE COMPLETED IN ADDITION TO CLASS TIME. Through the lens of the University mission, this three-credit experiential course requires students to collaborate to plan and execute a service project. Students will engage with the community to develop critical thinking & problem-solving skills while fostering civic and community responsibility. Students will link opportunities to address community issues with sound educational experiences.

Credit Type	**Fixed**
Credits	**3**

LRUX 2500H: INVESTIGATING SOCIAL PROBLEMS -

PREREQUISITE: LRUX1001 This class INCLUDES 20 HOURS OF SERVICE-LEARNING TO BE COMPLETED IN ADDITION TO CLASS TIME. Through the lens of the University mission, this three-credit experiential course requires students to collaborate to plan and execute a service project. Students will engage with the community to develop critical thinking & problem-solving skills while fostering civic and community responsibility. Students will link opportunities to address community issues with sound educational experiences.

Credit Type	**Fixed**
Credits	**3**

MATH 1002: FOUNDATIONS OF QUANTITATIVE

This course will explore the fundamentals of algebra and its applications, elementary mathematical models, exploration of data both analytically and graphically, basic statistical inference, and mathematics in society. It is designed to fulfill La Roche's core quantitative reasoning component for students in majors without additional math requirements. It is not intended as sufficient preparation for mathematics courses numbered MATH1023 and higher.

Credit Type	**Fixed**
Credits	**3**

MATH 1004: STATISTICS IN HEALTH CARE

This course focuses on the applications of statistics to the health sciences and nursing fields. The major topics are exploratory data analysis (graphical and numerical descriptions of data); data production and its design; basic concepts and properties of probability and probability distributions, including the normal distribution and sampling distributions; statistical inference (inference about a population mean or proportion and about comparing two population means or proportions, chi-square test for goodness of fit, and ANOVA to compare population means). This course is reserved for students in the health-sciences and nursing programs.

Credit Type	**Fixed**
Credits	**3**

MATH 1010: COLLEGE ALGEBRA

A traditional study of pre-calculus mathematics with emphasis on functions and relations. Includes a review of linear and quadratic equations, rational expressions, exponents, radicals and logarithms. Polynomial, exponential, and logarithmic functions are presented together with the conic sections, systems of equations, determinants, the binomial theorem and mathematical induction.

Credit Type	**Fixed**
Credits	**3**

MATH 1023: COLLEGE TRIGONOMETRY

PREREQUISITE: MATH1010 A traditional course in trigonometry including circular measure, trigonometric ratios, the trigonometry of right and obtuse triangles with applications, trigonometric functions and their graphs, inverse trigonometric functions, identities, and trigonometric equations.

Credit Type	**Fixed**
Credits	**3**

MATH 1029: PRE CALCULUS

PREREQUISITE: MATH1010 This is a transition course from algebra and trigonometry to, and may serve, therefore, as a preparation for, calculus. The topics covered include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigometric functions and analytic trigonometry, polar coordinates and vectors, and the conic sections.

Credit Type	**Fixed**
Credits	**3**

MATH 1030: CALCULUS FOR BUSINESS, ECON, & MGMT

PREREQUISITE: MATH1010 A one-semester course in the differential and integral calculus of functions of a single variable. Emphasis on concepts and the skills of differentiation and integration with applications from Administration, Economics and Managerial Sciences.

Credit Type	**Fixed**
Credits	**3**

MATH 1032: ANALYTIC GEOMETRY AND CALCULUS I

PREREQUISITE: MATH1010 The first semester of a three-semester integrated course in the elements of analytic geometry and differential and integral calculus. Included are the concept and applications of the derivative of a function of a single variable, differentiation of polynomials and the trigonometric functions, the chain, product and quotient rules, implicit differentiation, and differentials. Concludes with anti-differentiation, integration, area under graphs of functions and applications.

Credit Type	**Fixed**
Credits	**4**

MATH 1033: ANALYTIC GEOMETRY AND CALCULUS II

PREREQUISITE: MATH1032 A continuation of MATH1032 including applications of the definite integral, area, arc length, volumes and surface area, centroids, average value and theorem of the mean for definite integrals. Derivatives and integrals of transcendental functions are followed by techniques of integration, L'Hopital's Rule and indeterminate forms and improper integrals. Also included are conic sections and polar coordinates.

Credit Type	**Fixed**
Credits	**4**

MATH 1040: PROBABILITY AND STATISTICS

The study of the fundamentals of probability theory with applications to natural and social sciences as well as to mathematics. Discrete and continuous distributions, sampling theory, linear correlation, regression, statistical inference, estimation and analysis of variance are included.

Credit Type	**Fixed**
Credits	**3**

MATH 1040H: PROBABILITY AND STATISTICS

PREREQUISITE: MATH1010 An intensive one semester course in probability and statistics for science and honors students. Various discrete and continues probability distributions will be examined including the binomial, multinomial, Poisson, uniform, exponential, gamma, and normal distributions. Mathematical expectation, moment generating functions, liner combinations or random variable, sampling distributions, point estimations, confidence intervals, hypothesis testing, analysis of variance, regression, correlation and the method of least square will also examined.

Credit Type	**Fixed**
Credits	**3**

MATH 1070: FINITE MATHEMATICS FOR BUSINESS

PREREQUISITE: MATH1010 This course introduces MIST students to the non-statistical and non-calculus topics in mathematics that are most relevant to their majors. The major topics to be studied include some or all of the following: logic; set theory; relations, with applications to relational algebra and relational calculus; sequences, geometric series, and mathematics of finance; systems of linear equations and matrices; linear programming; probability; and game theory. Excel enhanced by Visual Basic for Applications is used throughout the course.

Credit Type	**Fixed**
Credits	**3**

MATH 1090: INTRO TO CHEM SCHOLAR (CHEM1090)

This course Provides students with the opportunity to meet and feel comfortable with other STEM students thus providing a necessary safety net for undergraduate success. This course will introduce the Peer-Led Team learning approach utilized in the sciences. Students will be exposed to essential tools necessary for a successful undergraduate and postgraduate career including but not limited to: computational math,coding, instrument interface, data analysis, reports, and presentations. Cross-listed with CHEM1090

Credit Type	**Fixed**
Credits	**1**

MATH 2000: MATHEMATICS FOR LIBERAL ARTS

PREREQUISITE: MATH1010 As in-depth exploration of the applications of various types of mathematics, with an emphasis on problem solving skills. Writing skills are an integral part of this course. The connecting of mathematical ideas with other subject areas will be emphasized. These areas will include: art, biology, chemistry, coding, computers, demographics, fiction, genetics, logic, management, marketing, music, philosophy, physics, politics, psychology, and social planning. The discussion of original source documents will be an integral part of this course.

Credit Type	**Fixed**
Credits	**3**

MATH 2000H: MATHEMATICS FOR LIBERAL ARTS-HONORS

PREREQUISITE: MATH1010 As in-depth exploration of the applications of various types of mathematics, with an emphasis on problem solving skills. Writing skills are an integral part of this course. The connecting of mathematical ideas with other subject areas will be emphasized. These areas will include: art, biology, chemistry, coding, computers, demographics, fiction, genetics, logic, management, marketing, music, philosophy, physics, politics, psychology, and social planning. The discussion of original source documents will be an integral part of this course. Honors Institute course.

Credit Type	**Fixed**
Credits	**3**

MATH 2006: ANALYTIC THINKING AND PROBLEM

This course develops the student's ability to critically analyze and solve problems, analogies, and work problems. A variety of problem solving techniques and tools are presented, such as chart and diagrams, flow charts, decision tables, and algorithms. Through the use of non-traditional exercises, a combination of techniques will lead to solutions. NOTE: This course may not be used to satisfy the mathematics requirements. Core Course.

Credit Type	**Fixed**
Credits	**3**

MATH 2023: GEOMETRY AND MEASUREMENT

PREREQUISITE: MATH1010 An overview of the Euclidian and non-Euclidian geometries required for teaching mathematics, particularly middle school mathematics, focusing on geometrical shapes and their properties, spatial reasoning, geometrical shapes in nature and art, and application of measurements.

Credit Type	**Fixed**
Credits	**3**

MATH 2030: ANALYTIC GEOMETRY AND CALC III

PREREQUISITE: MATH1010 A continuation of MATH1033 including a study of vectors, parametric equations, solid analytic geometry and functions of several variables. Includes partial differentiation, total differentials, multiple integrals and surface and line integrals, the theorems of Gauss and Stokes, and infinite series.

Credit Type	**Fixed**
Credits	**4**

MATH 2031: ORDINARY DIFFERENTIAL EQUATIONS

PREREQUISITE: MATH2030 A study of first and second order differential equations, infinite series, Laplace transforms and power series together with existence of solution and uniqueness theorems.

Credit Type	**Fixed**
Credits	**3**

MATH 2050: DISCRETE MATHEMATICS I

PREREQUISITE: MATH1032 A basic course dealing with mathematics applicable to computer science. It provides an introduction to mathematical methods and covers such topics as: enumeration, set theory, mathematical logic, proof techniques, number systems, functions and relations, graphs and digraphs, trees, combinatorics, basic algebraic structures, recurrence relations, Boolean algebra, and analysis of algorithms.

Credit Type	**Fixed**
Credits	**3**

MATH 2051: DISCRETE MATHEMATICS II

PREREQUISITE: MATH2050 AND CSCI2017 A continuation of MATH1014. Topics to be covered will include some or all of the following: integers and integers Mod n; counting techniques, combinatorics, and discrete probability; graphs, trees, and relations; Boolean algebras; and models of computation such as grammars, finite-state machines, and Turing machines.

Credit Type	**Fixed**
Credits	**3**

MATH 2070: FINITE MATHEMATICS

A survey of non-calculus mathematics that provides the solid foundation needed by students in business, social sciences, and non-science courses. Topics covered include linear functions, matrix linear programming, probability and statistics, mathematics of finance, Markov chains and decision theory.

Credit Type	**Fixed**
Credits	**3**

MATH 2075: INTRO TO APPLIED ANALYSIS

PREREQUISITE: MATH1033 This course is intended for students majoring in the natural sciences who are interested in specific applications of Calculus to Chemistry, Biology, Physics and Neuroscience. Possible topics include: applications of root finding, Taylor Polynomials, Taylor Series, differential equations numerical integration, Fourier series, the implicit function theorem, neuronal models.

Credit Type	**Fixed**
Credits	**3**

MATH 3010: ELEMENTARY NUMBER THEORY

A study of the properties of integers, the fundamental theorem of arithmetic, congruences, linear diophantine equations, quadratic residues and continued fractions.

Credit Type	**Fixed**
Credits	**3**

MATH 3015: LINEAR ALGEBRA

A development of the theory of vector spaces from linear equations, matrices and determinants. Topics include linear independence, bases, dimensions, linear mappings, orthogonal reduction, diagonalization of matrices using eigenvectors and eigenvalues.

Credit Type	**Fixed**
Credits	**3**

MATH 3020: INTRO TO MATHEMATICAL NEUROSCIENCE

PREREQUISITE: MATH1033 A self contained course intended for students majoring in the natural sciences who are interested in specific applications of Mathematics to Neuroscience. Topics include: Isopotential Cells, Differential Equations, The Passive Cable, Fourier Series and Transforms, Dendritic Trees, Reduced Single Neuron Models, Probability and Random Variables, Integrate and Fire Models.

Credit Type	**Fixed**
Credits	**3**

MATH 3028: SPECIAL TOPICS IN MATHEMATICS:

PREREQUISITE: MATH1033

Credit Type	**Fixed**
Credits	**1-3**

MATH 3035: COMPLEX ANALYSIS

PREREQUISITE: MATH2030 A course focusing on the calculus of complex numbers. Topics covered include complex numbers and functions, differentiation and integration with complex variables, complex series, conformal representation and the calculus of residues.

Credit Type	**Fixed**
Credits	**3**

MATH 3040: PROBABILITY AND STATISTICS I

A calculus-based first course in probability and statistics for science and honors students. Various discrete and continuous probability distributions will be examined including the binomial, multinomial, Poisson, uniform, exponential, gamma and normal distributions. Mathematical expectation, moment generating functions, linear combinations of random variables, sampling distributions, point estimation, confidence intervals, hypothesis testing, analysis of variance, regression, correlation and the method of least squares will also be examined.

Credit Type	**Fixed**
Credits	**3**

MATH 3045: PROBABILITY AND STATISTICS II

PREREQUISITE: MATH3040 A detailed study of topics in statistics: comparison of classical and Bavesian methods in conditional probability and estimation of parametrics, non-linear regression, multiple, partial and rank correlation, indices, time series, analyses of variance for two-way classification with and without interaction, design of experiments, reliability and validity of measurements and non-parametric tests.

Credit Type	**Fixed**
Credits	**3**

MATH 4003: HISTORY OF MATHEMATICS

PREREQUISITE: MATH2031 A survey course in the development of modern mathematics. Beginning with the rudimentary mathematical concepts developed in prehistoric times, mathematics grew sometimes slowly and sometimes rapidly with the insights of various cultures. In this course we trace this development through ancient Mesopotamia and Egypt, classical Greece, Arabic and Hindu cultures of the Dark and Middle Ages, the European Renaissance and on into the modern times. Special attention will be paid to major developments such as the emergence of mathematics as an organized, reasoned and independent discipline in Classical Greece; the emergence and development of major areas of mathematics such as of algebra, trigonometry, productive geometry, calculus, analytic geometry infinite series, non-Euclidean geometry; and how developments in mathematical thought have shaped the modern world.

Credit Type	**Fixed**
Credits	**3**

MATH 4015: MODERN ABSTRACT ALGEBRA

PREREQUISITE: MATH2030 An introduction to algebraic concepts such as groups, rings, integral domains and fields. The elementary number systems occupy a central place. Mappings, especially homorphisms, are introduced early and emphasized through out the course.

Credit Type	**Fixed**
Credits	**3**

MATH 4020: GEOMETRY

PREREQUISITE: MATH2030 An overview of geometry in the light of modern trends with attention to axiomatic structure, including an introduction to hyperbolic and elliptic figures as geometric structures together with an overview of projective geometry.

Credit Type	**Fixed**
Credits	**3**

MATH 4035: REAL ANALYSIS

PREREQUISITE: MATH2031 An introductory to classical (real) analysis. Includes a rigorous treatment of logic, set theory, functions, countable and uncountable sets, the real number system, metric spaces, sequences, series, differentiation and integration.

Credit Type	**Fixed**
Credits	**3**

MATH 4045: DATA REDUCTION AND ERROR

A first course in data reduction and error analysis with emphasis placed more upon hands-on experience than upon theory. Topics covered will include: sample statistics; the Binomial, Poisson, Gaussian and Lorentzian distributions; analysis of the propagation of errors; linear and nonlinear least squares; multiple regression and data manipulation techniques. Students will be expected to perform analyses using commercially available software and software of their own composition.

Credit Type	**Fixed**
Credits	**3**

MATH 4051: INTERNSHIP I - MATHEMATICS

A practical experience in a field setting.

Credit Type	**Variable**
Credits	**1-6**

MATH 4055: CAPSTONE PROJECT

The Mathematics Capstone is a culminating experience for senior mathematics majors. Students will integrate and apply ideas from across the mathematics curriculum through independent and collaborative projects. Emphasis is placed on problem-solving, research, and the clear communication of mathematical ideas in both written and oral form. The course provides an opportunity for students to demonstrate mastery of their mathematical knowledge and to prepare for professional or graduate pathways.

Credit Type	**Fixed**
Credits	**3**

MATH 4056: DIRECTED RESEARCH - MATHEMATICS

An individual investigation in the student's field of interest carried out under the supervision of a faculty member. The student is responsible for defining a problem, planning a course of investigation, and reporting higher results in a scientific paper.

Credit Type	**Fixed**
Credits	**2-4**

MATH 4057: INDEPENDENT STUDY - MATHEMATICS

Independent study is an accelerated program for superior students in the division of natural and mathematical sciences. It is intended to allow a student to pursue studies in advanced topics. The student designs an independent study in conjunction with a divisional faculty member. To be eligible for independent study the student must comply with all appropriate college policies.

Credit Type	**Variable**
Credits	**1-4**

MATH 4060: NUMERICAL MATHEMATICS AND

PREREQUISITE: MATH2031 A survey of numerical techniques for numerically solving a variety of mathematical problems with an emphasis on application as opposed to theory. Topics to be covered include: sources of error in numerical computations, solving nonlinear equations, solving sets of simultaneous equations, interpolating polynomials, numerical integration and numerical differentiation.

Credit Type	**Fixed**
Credits	**3**

MATH 4061: NUMERICAL MATHEMATICS AND

PREREQUISITE: MATH4060 Second semester of a survey course in numerical techniques for the numerical solution of a variety of mathematical problems with an emphasis on application as opposed to theory. Topics to be covered include: initial-value problems, partial differential equations, curve fitting and approximation of functions.

Credit Type	**Fixed**
Credits	**3**

MATH 4090: JR/SR SEMINAR IN MATHEMATICS

The weekly one-hour seminar treats of a topic or of topics important in applied and/or theoretical mathematics. The specific topic or topics may vary from year to year. Topics in the past have included actuarial mathematics, the Millennium Problems, and the Riemann Hypothesis.

Credit Type	**Fixed**
Credits	**1**

MATH 4094: SPECIAL PROBLEMS IN MATHEMATICS

An individual investigation in the student's field of interest carried out under the supervision of a faculty member. The student is responsible for defining a problem, planning a course of investigation, and reporting higher results in a scientific paper.

Credit Type	**Fixed**
Credits	**3**

MCOM 5010: ORGANIZATIONAL COMMUNICATION

Organizational communication is a practice at the intersection of theory and working people. This course explores the history and practices of organizational communication with a focus on contemporary practice. Students discuss and evaluate concepts related to communication between coworkers, communication with management, internal messaging and inter-firm collaboration.

Credit Type	**Fixed**
Credits	**3**

MCOM 5020: COMMUNICATION RESEARCH METHODS

To be able to evaluate challenging and contemporary approaches to communication requires an understanding of how new research is made. This course explores a range of contemporary research methods that students will learn to apply in their own work and understand in the scholarship of others. The course positions research not as distant from praxis but rather its starting point. Students will design a comprehensive research proposal that could be implemented into a fuller project in the future.

Credit Type	**Fixed**
Credits	**3**

MCOM 5030: DIGITAL COMMUNICATION

The emergence of the Internet has upended many of the practices of human communication that preceded them. This course explores the nature of digital and networked communication and asks students to critique and adapt to this current environment. Students will explore the complexities of online communities and anonymous social interactions and analyze communication practices that facilitate communication through digital technology with a focus on the future and adaptability.

Credit Type	**Fixed**
Credits	**3**

MCOM 5040: MEDIA THEORY

We live in a mediated society, watching, hearing, crafting and reading messages across media on a daily basis. This class explores how media communicate ideas and the importance of understanding mediated communication as communicators and as members of audiences. Students will learn various techniques used in analyzing media that will facilitate their abilities to critique and create mediated communication. This course provides a necessary theoretical grounding that students will need in order to effectively engage with contemporary media, media theory, and subsequent courses.

Credit Type	**Fixed**
Credits	**3**

MCOM 5050: COMMUNICATION ETHICS

Communication is a powerful skill, and like all such things, it must be used responsibly. This course explores the philosophy and practice of ethical communication in various contexts. Students will learn and practice ethical communication in ways that can apply everywhere from interpersonal scenarios to the workplace. This instruction serves to introduce and reinforce principals that are central to establishing and maintaining an ethical world.

Credit Type	**Fixed**
Credits	**3**

MCOM 6010: CONFLICT MANAGEMENT

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER Conflict is inevitable, and communication is central to understanding and resolving it. This course will focus on the theory and practice of conflict management communication with a focus on developing student skills in effective and ethical conflict resolution. Students will apply theory-informed techniques that serve to make conflict-prone spaces more cooperative and supportive. Not only does the course offer the space to understand conflict in various forms through the social sciences, but it also calls on students to grow personally and professionally through the application of conflict management studies.

Credit Type	**Fixed**
Credits	**3**

MCOM 6020: INTERCULTURAL COMMUNICATION

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER An interconnected world leads inevitably to intercultural contact. This course explores the complexities of intercultural communication in personal and professional contexts. Students will develop and practice skills that prepare them for both communicating with others from various cultures and to be open and understanding of differences in ways that contribute to effective collaboration and dialogue.

Credit Type	**Fixed**
Credits	**3**

MCOM 6030: STRATEGIC COMMUNICATION

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER A plan is only effective if those implementing it understand it. This course focuses on the theory and practice of strategic communication: the ways organizations purposefully employ communication to meet specific objectives. The course focuses on developing strategies that bring complex plans to life for both subordinates and superiors. Students will work with actual organizations to constructively critique and compose public relations and social marketing campaigns, developing their abilities to respond to client needs effectively and ethically.

Credit Type	**Fixed**
Credits	**3**

MCOM 6040: SOCIAL MEDIA THEORY

PREREQUISITE: MCOM5040, GRADE OF C OR BETTER Social media is a key feature of the social and business landscape across the world, and understanding it is crucial to harnessing its potential. This course explores the sociology of social media and how social media can be used as part of communications strategies for personal and corporate purposes. Students will apply media theory to critique social media platforms, business strategies, and ethical concerns. This course will explore the relationships between social media platforms and the content that proliferates through them, and in so doing, students will learn to formulate effective social media communication.

Credit Type	**Fixed**
Credits	**3**

MCOM 6050: COMMUNICATION & SOCIAL CHANGE

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER Communication has the power to change the world for the better. This course explores how communication for social change is planned and implemented productively. The course draws together issues of ethics and effective strategic thinking and planning towards creating positive change in the world. Students will design and evaluate communication campaigns in service of the public interest through collaboration with nonprofit organizations.

Credit Type	**Fixed**
Credits	**3**

MCOM 6090: PRACTICUM

This independent project serves as the opportunity for students to demonstrate all that they have learned throughout the program, drawing from various courses and skills to develop a project on the research or application of communication. The student will create a digital presentation that explores the student?s approach, methods, and results in ways that show they are prepared to take what they have learned into the next phases of their lives and careers.

Credit Type	**Fixed**
Credits	**1**

MEMS 0051: Intro to Thermodynamics

Credits	**3**

MLAR 1001: ELEMENTARY ARABIC I

This course is designed to provide maximum opportunities for students to develop fuctional listening, speaking, reading and writing skills in the beginning Arabic. The goal of the course is the acquisition of a useful, communicative command of language at the Novice-Low to Novice-Mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).This goal will be realized through maximum exposure to authentic target language input (oral and visual), active oral and written practice of real- life language tasks or functions (conversing with an exchange student, completing forms, etc.) and the exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**4**

MLAR 1002: ELEMENTARY ARABIC II

PREREQUISITE: MLAR1001, GRADE OF C- OR BETTER This course is designed to provide maximum opportunities for students to develop fuctional listening, speaking, reading and writing skills in the beginning Arabic. The goal of the course is the acquisition of a useful, communicative command of language at the Novice-Low to Novice-Mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).This goal will be realized through maximum exposure to authentic target language input (oral and visual), active oral and written practice of real- life language tasks or functions (conversing with an exchange student, completing forms, etc.) and the exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**4**

MLAR 2001: INTERMEDIATE ARABIC I

PREREQUISITE: MLAR1002, GRADE OF C- OR BETTER This course is designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in beginning Arabic. The goal of this course is the acquisition of a useful, communicative command of the language at the Novice-Mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This goal will be realized through maximum exposure to authentic target language input (oral and visual), active oral and written practice of real-life language tasks or functions (conversing with an exchange student, completing forms, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**3**

MLAR 2002: INTERMEDIATE ARABIC II

PREREQUISITE: MLAR2001, GRADE OF C- OR BETTER This course is designed to provide maximum opportunties for students to develop functional listening, speaking, reading and writing skills in beginning Arabic. The goal of this course is the acquisition of a useful, communicative command of the language at the Novice-Mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This goal will be realized through maximum exposure to authentic target language input (oral and visual), active oral and written practice of real-life language tasks or functions (conversing with an exchange student, completing forms, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**3**

MLAR 3001: ARABIC LANGUAGE AND CULTURE I

PREREQUISITE: MLAR2002, GRADE OF C- OR BETTER As a continuation of Intermediate Arabic II, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in Arabic. The goal of the course is the acquisition of a communicative and accurate command of the language at the Intermediate Low to Intermediate Mid level on the national scale of language proficiency as established by the American Council on the Teaching of Foreign Languages (ACTFL). The course will enrich the students' vocabulary, grammar, writing and reading skills, as well as enable them to understand and converse accurately in Arabic. Basic texts help students connect the written and aural/oral aspects of Arabic through intensive reading that is focused on grammar and Pronunciation. Students develop skills in writing at the paragraph level, tanslation, correct expression, and dictionary use.

Credit Type	**Fixed**
Credits	**3**

MLAR 3002: ADVANCED ARABIC II

As a continuation of Arabic Language & Culture I, this course is a part of a proficiency-based program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in Arabic. The goal of the course is the acquisition of a communicative and accurate command of the language at the Intermediate Low to Intermediate Mid level on the national scale of language proficiency as established by the American Council on the Teaching of Foreign Languages (ACTFL). The course will enrich the students' vocabulary, grammar, writing and reading skills, as well as enable them to understand and converse accurately in Arabic. Basic texts help students connect the written and aural/oral aspects of Arabic, through intensive reading that is focused on grammar and pronunciation. Students develop skills in writing at the paragraph level, translation, correct expression, and dictionary use.

Credit Type	**Fixed**
Credits	**3**

MLED 2000: ENGLISH LANGUAGE LEARNERS IN THE

This course introduces the most important principles and practices for teachers of children with home languages other than English. Students examine the implications of cultural and linguistic variation for English Language learners. We focus on how educators work in the classroom, the school, and the community to support these learners' language development and academic learning.

Credit Type	**Fixed**
Credits	**3**

MLED 2005: STRUCTURES OF ENGLISH

This course introduces the major structural elements of English for students intending to teach English as a Second Language. Students engage in systematic description and discussion of the phonetic, morphological, syntactic, semantic, and pragmatic systems of English. We investigate issues of dialect variation, prescriptive rules, and literacy development. Practical applications include analysis of ELLs' writing and speech samples.

Credit Type	**Fixed**
Credits	**3**

MLED 2010: LANGUAGE LEARNING AND

This course introduces the nature of language competence and the processes of first and second language development. A survey of the major theories of language learning leads to the evaluation of language and literacy practices in classroom instruction for second language learners. Important factors in language learning are identified and discussed, including linguistic knowledge, social interaction, the learning context, motivation, and age.

Credit Type	**Fixed**
Credits	**3**

MLED 3000: METHODS OF TEACHING AND

This course provides a comprehensive introduction to classroom instruction and assessment for ESL students. Students practice applying principles of language learning to the observation, analysis, selection, creation, and organization of classroom activities. A variety of techniques and strategies are explored, with emphasis on current proficiency-based approaches for learners who need English for social, academic, and socio-cultural purposes.

Credit Type	**Fixed**
Credits	**3**

MLED 3002: METHODS OF TEACHING AND

This course provides a comprehensive introduction to classroom instruction and assessment for ESL students. Students practice applying principles of language learning to the observation, analysis, selection, creation, and organization of classroom activities. A variety of techniques and strategies are explored, with emphasis on current proficiency-based approaches for learners who need English for social, academic, and socio-cultural purposes.

Credit Type	**Fixed**
Credits	**3**

MLED 3005: CURRICULUM AND MATERIALS

This course focuses on the application of principles and practices for teaching English Language Learners in the context of the curriculum, the program and the school community. Students select and design resources for an instructional unit that integrates English language skills with academic content learning. We investigate strategies and tools for placing and monitoring students, working with ESL students with special needs, and collaborating with school staff and parents, in order to further the language, cognitive, and social development of ELLs.

Credit Type	**Fixed**
Credits	**3**

MLED 3010: METHODS OF TEACHING AND

This course will focus on the teaching of foreign languages. A variety of teaching models and strategies for organizing the classroom will be explored. Emphasis will be placed on formulating objectives, selecting and organizing content, and developing various strategies to implement in a proficiency-based program. Techniques for evaluation of teaching effectiveness as well as evaluation of student learning will be discussed.

Credit Type	**Fixed**
Credits	**3**

MLED 3015: FIELD PLACEMENT/PRACTICUM TESOL

This course uses a reflective model of teacher education to build practical knowledge about classroom instruction, evaluation, and school support services. Students participate in observation, interviews, and hands-on activities related to planning, carrying out lessons, and evaluating students. A developmental portfolio helps students connect theory and practice through reflection.

Credit Type	**Fixed**
Credits	**1**

MLED 3080: CURRICULUM AND MATERIALS

This course is designed to provide the needed skills for foreign language instruction. Focus will be on developing, implementing, and evaluating instructional strategies and materials for both the elementary and secondary levels. In addition prospective foreign language teachers will learn to plan and assess appropriate learning activities for their students, and to reflect on their own learning strategies and behavior.

Credit Type	**Fixed**
Credits	**3**

MLFR 1001: ELEMENTARY FRENCH I

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in beginning French. The goal of the course is the acquisitions of a useful, communicative command of the language at the Novice-Mid to Novice-High level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target language input (oral and visual), active oral and written practice of real-life language tasks or functions (conversing with an exchange student, completing forms, etc.) and exploration of cultural subtleties conveyed by language, thought and customs. This course is intended for students with little or no fluency in French.

Credit Type	**Fixed**
Credits	**4**

MLFR 1002: ELEMENTARY FRENCH II

PREREQUISITE: MLFR1001, GRADE OF C- OR BETTER As a continuation of Elementary French I, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning French.
The goal of the course is the acquisitions of a useful, communicative command of the language at a Novice Mid to Intermediate Low level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.e., conversing with an exchange student, making grocery lists, completing forms, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.

Credit Type	**Fixed**
Credits	**4**

MLFR 2001: INTERMEDIATE FRENCH I

PREREQUISITE: MLFR1002, GRADE OF C- OR BETTER These courses are designed to build on the student's previous skills, thereby improving oral proficiency. Vocabulary acquisition and the reading of authentic aural and written materials broaden the student's knowledge and linguistic abilities. Classroom activities focus on development of skill in self-expression. The student has many opportunities to expand cultural knowledge through films, videotapes, and informal rendezvous. Course is not open to students with an advanced or superior oral proficiency level in French.

Credit Type	**Fixed**
Credits	**3**

MLFR 2002: INTERMEDIATE FRENCH II

PREREQUISITE: MLFR2001, GRADE OF C- OR BETTER This course is designed to teach the beginning French student the four basic skills of listening, speaking, reading, and writing. The focus of this course is the development of aural/oral proficiency by means of vocabulary development, listening and speaking practice, and guided conversation. Class work emphasizes the acquisition of strategies for understanding, authentic listening and reading materials. Through such activities as classroom discussions, videotapes, and films, the student becomes acquainted with various facets of francophone culture. Course is not open to students with an advanced or superior oral proficiency level in French.

Credit Type	**Fixed**
Credits	**3**

MLFR 3001: ADVANCED FRENCH LANGUAGE

PREREQUISITE: MLFR2002, GRADE OF C- OR BETTER This course is designed to advance the student's language proficiency through the development of communicative strategies such as: how to express one's feelings; how to get and give advice; how to make plans; how to react to an opinion and how to maintain discussions. The student gains experience in using socially acceptable formats for writing both personal and business correspondence. Through carefully chosen authentic texts, cross-cultural phenomena such as contemporary social issues and business practices are explored.

Credit Type	**Fixed**
Credits	**3**

MLFR 3002: ADVANCED FRENCH LANGUAGE AND

PREREQUISITE: MLFR3001, GRADE OF C- OR BETTER This course is designed to advance the student's language proficiency through the development of communicative strategies such as: how to express one's feelings; how to get and give advice; how to make plans; how to react to an opinion and how to maintain discussions. The student gains experience in using socially acceptable formats for writing both personal and business correspondence. Through carefully chosen authentic texts, cross-cultural phenomena such as contemporary social issues and business practices are explored.

Credit Type	**Fixed**
Credits	**3**

MLFR 3005: FRENCH CIVILIZATION

PREREQUISITE: MLFR3002, GRADE OF C- OR BETTER A study of the French and Francophone culture, civilization, literary genres, and authors from the 16th-21st century.

Credit Type	**Fixed**
Credits	**3**

MLFR 4057: INDEPENDENT STUDY - FRENCH

Independent study course for students who have demonstrated an intense commitment to investigate a particular area of French studies. The student will design an independent study in conjunction with the appropriate language faculty member.

Credit Type	**Fixed**
Credits	**1-6**

MLGR 1002: ELEMENTARY GERMAN II

As a continuation of Elementary German I, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning German.The goal of the course is the acquisitions of a useful, communicative command of the language at a Novice Mid to Intermediate Low level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.e., conversing with an exchange student, making grocery lists, completing forms, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs. Offered through the Scholar, college in high school program only.

Credit Type	**Fixed**
Credits	**4**

MLGR 2001: INTERMEDIATE GERMAN I

This course is designed to build on the student's previous skills, thereby improving oral proficiency. Vocabulary acquisition and the reading of authentic aural and written materials broaden the student's knowledge and linguistic abilities. Offered through the Scholar, college in high school program only.

Credit Type	**Fixed**
Credits	**3**

MLGR 2002: INTERMEDIATE GERMAN II

This course is designed to teach the beginning German student the four basic skills of listening, speaking, reading, and writing. The focus of this course is the development of aural/oral proficiency by means of vocabulary development, listening and speaking practice, and guided conversation. Class work emphasizes the acquisition of strategies for understanding, authentic listening and reading materials. Offered dthrough the Scholar, college in high school program only.

Credit Type	**Fixed**
Credits	**3**

MLIT 1001: ELEMENTARY ITALIAN I

This course is designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in the beginning Italian. The goal of the course is the acquisition of a useful, communicative command of language at the Novice-Low to Novice-Mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).This goal will be realized through maximum exposure to authentic target language input (oral and visual), active oral and written practice of real- life language tasks or functions (conversing with an exchange student, completing forms, etc.) and the exploration of cultural subtleties conveyed by language, thought and customs. This course is intended for students with little or no fluency in Italian.

Credit Type	**Fixed**
Credits	**4**

MLIT 1002: ELEMENTARY ITALIAN II

PREREQUISITE: MLIT1001, GRADE OF C- OR BETTER As a continuation of Elementary Italian I, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning Italian. The goal of the course is the acquisitions of a useful, communicative command of the language at a Novice Mid to Intermediate Low level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (i.e., conversing with an exchange student, making grocery lists, completing forms, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.

Credit Type	**Fixed**
Credits	**4**

MLIT 2001: INTERMEDIATE ITALIAN I

PREREQUISITE: MLIT1002, GRADE OF C- OR BETTER As a continuation of Elementary Italian II, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in intermediate Italian. The goal of the course is the acquisition of a useful, communicative command of the language at the Novice High to Intermediate Low level on the national scale as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language tasks of functions (e.g., ordering a meal, making travel arrangements, visiting a doctor's office, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**3**

MLSP 1001: ELEMENTARY SPANISH I

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in beginning Spanish. This goal will be realized through maximum exposure to authentic target language input (oral and visual), active oral and written practice of real-life language tasks or functions (conversing with an exchange student, completing forms, etc.) and exploration of cultural subtleties conveyed by language, thought and customs. This course is intended for students with little or no fluency in Spanish.

Credit Type	**Fixed**
Credits	**3**

MLSP 1002: ELEMENTARY SPANISH II

PREREQUISITE: MLSP1001, GRADE OF C- OR BETTER As a continuation of Elementary Spanish I, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning Spanish. The goal of the course is the acquistions of a useful, communicative command of the language at a Novice Mid to Intermediate Low level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.e., conversing with an exchange student, making grocery lists, completing forms, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.

Credit Type	**Fixed**
Credits	**3**

MLSP 2001: INTERMEDIATE SPANISH I

PREREQUISITE: MLSP1002, GRADE OF C- OR BETTER As a continuation of Elementary Spanish II, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in intermediate Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at the Novice High to Intermediate Low level on the national scale as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language tasks of functions (e.g., ordering a meal, making travel arrangements, visiting a doctor's office, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**3**

MLSP 2002: INTERMEDIATE SPANISH II

PREREQUISITE: MLSP2001, GRADE OF C- OR BETTER As a continuation of Intermediate Spanish I, this course is part of a proficiency-bases language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in intermediate Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at a low level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Education Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.g., conversing with an exchange student, going to the bank, using the telephone, going to the doctor's office, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.

Credit Type	**Fixed**
Credits	**3**

MLSP 2020: SPANISH LITERATURE AND CULTURE

Credit Type	**Fixed**
Credits	**3**

MLSP 3001: ADVANCED SPANISH LANGUAGE AND

PREREQUISITE: MLSP2002, GRADE OF C- OR BETTER As a continuation of Intermediate Spanish II, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at the Intermediate-Low to Intermediate-Mid level on the national scale as established by the American Council on the Teaching of Foreign Languages(ACTFL) and the Educational Testing Service(ETS). This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real life language tasks or functions (e.g. ordering a meal, making travel arrangements, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**3**

MLSP 3002: ADVANCED SPANISH LANGUAGE AND

PREREQUISITE: MLSP3001, GRADE OF C- OR BETTER As a continuation of Advanced Spanish Language & Culture I, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in Spanish. The goal of the course is the acquisition of a useful communicative command of the language at the "Intermediate-Mid to Intermediate High" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real life language tasks of "functions" (e.g. giving suggestions, making plans for the future, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.

Credit Type	**Fixed**
Credits	**3**

MLSP 3005: ADVANCED SPANISH GRAMMAR AND

PREREQUISITE: MLSP3002, GRADE OF C- OR BETTER This course is structured to enhance the knowledge of grammar and the reading and writing skills of students who have already achieved an intermediate level or oral, written and reading proficiency in Spanish as measured on the ACTFL/ETS scale. Students will learn correct grammatical construction through literary readings and discussion, intensive vocabulary study, intensive study of grammar points, and compostion practice.

Credit Type	**Fixed**
Credits	**3**

MLSP 3010: ADVANCED SPANISH CONVERSATION

PREREQUISITE: MLSP3002, GRADE OF C- OR BETTER This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking and listening comprehension skills in Intermediate Spanish to the Advanced levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This goal will be realized by the following means: Practice on stress, intonation and difficult pronunciation as needed; Presentation, discussions, and other activities in small groups and as a class; Speeches and debates prepared in advance; Listening comprehension activities and note-taking practice. This course will be conducted in Spanish to assist students in maintaining their proficiency goals.

Credit Type	**Fixed**
Credits	**3**

MLSP 3015: APPLIED HISPANIC LINGUISTICS

PREREQUISITE: MLSP3005, GRADE OF C- OR BETTER This course introduces the student to general linguistic theory and its application to the problems which teachers face in the foreign language classroom. Students will discover practical resolutions to problems encountered in the presentation of linguistic material. A study of the sound system of Spanish and training in native-like Spanish pronunciation will also be incorporated into the course. Cross-listed with SPAE3015

Credit Type	**Fixed**
Credits	**3**

MLSP 3020: SPANISH CULTURE

PREREQUISITE: MLSP2002 This course will introduce the student to the study of peninsular Spanish culture. Students will study the early cultures which contributed to Spanish culture as it exists today. Also included is the study of historical influences, geography, economics, membership in the European Union (EU), religion(s), political system, art, literature, dance, music, architecture, traditions, customs, languages/dialects and other cultural symbols and trends in the various regions of the country. This course will be conducted in Spanish to assist students in achieving and maintaing their proficiency goals.

Credit Type	**Fixed**
Credits	**3**

MLSP 3025: LATIN AMERICAN CULTURE

PREREQUISITE: MLSP3002, GRADE OF C- OR BETTER This course will introduce the student to the study of culture including the relationships between the perspectives, products, and practices of the cultures of Latin American (as stated in the National Standards for Foreign Language Teaching). Students will study the early cultures which contributed to Latin American culture as it exists today. Also included is the study of the history, geography, economics, religions(s), political systems, art, literature, dance, music, architecture, traditions, customes and other cultural symbols of Latin America, lation society in the U.S. and in Equatorial Guinea. This course will be conducted in Spanish to assist students in maintaining their proficiency goals.

Credit Type	**Fixed**
Credits	**3**

MLSP 3030: SURVEY OF SPANISH LITERATURE

PREREQUISITE: MLSP3005, GRADE OF C- OR BETTER This course covers the major literacy periods, authors, trends and genres in Spanish Peninsular literature from the pre-medieval period through the 20th century from an historical perspective. Literary text will be read and discussed; they will include representative selections of each major literary period.

Credit Type	**Fixed**
Credits	**3**

MLSP 3040: SURVEY OF LATIN AMERICAN LIT

A study of the major literary periods, trends and genres in Spanish American literature from pre-Columbian times through the 20th century from an historical perspective. Literary texts to be read and discussed include representative selections of key historic texts and literary figures from each major literary period.

Credit Type	**Fixed**
Credits	**3**

MLSP 4057: INDEPENDENT STUDY - SPANISH

Independent study course for students who have demonstrated an intense commitment to investigate a particular area of Spanish studies. The student will design an independent study in conjunction with the appropriate language faculty member.

Credit Type	**Fixed**
Credits	**1-3**

MRKT 2007: ADVERTISING

PREREQUISITE: MRKT2021 AND ADMG2021 A comprehensive study of advertising, detailing its relationship to marketing practice. Topics such as advertising preparation, media evaluation, market research, pricing and retailing problems are included. The role of public relations in an organizational communication program is also explained.Cross-listed with ADMG2007

Credit Type	**Fixed**
Credits	**3**

MRKT 2010: PUBLIC RELATIONS

The course explores public relations through analysis and practice. Students will learn skills to communicate effectively with various stakeholders through news releases, internal communications, and social media. The course emphasizes the value of building relationships, critical listening, logical planning, and time management in effective communications. Students will learn crisis management skills and put them to the test with a multi-week interactive exercise that simulates real working conditions they can expect to face.

Credit Type	**Fixed**
Credits	**3**

MRKT 2021: MARKETING MANAGEMENT

A basic study of marketing systems in the American economy. This course includes, identifying the activities involved in the flow of goods among manufacturers, brokers, wholesalers, retailers and consumers. The nature of demand, buyer behavior, costs and pricing, sales strategies, promotions and techniques are presented.Cross-listed with ADMG2021

Credit Type	**Fixed**
Credits	**3**

MRKT 3012: BUYER BEHAVIOR

PREREQUISITE: MRKT2021 AND ADMG2021 This course focuses on the role of buyers in the marketing process. Buyer behavior in the consumer marketplace as well as the organizational buying process is examined. The study of buying behaviors enhances understanding of what marketing strategies are likely to be effective, how humans operate in the marketplace, and what kind of affective, cognitive, and social mechanisms enter into the purchasing decision. A sampling of specific topics addressed includes the role of attitudes, learning and memory, and lifestyles and culture in the buying decision.

Credit Type	**Fixed**
Credits	**3**

MRKT 3016: PERSONAL SELLING

PREREQUISITE: MRKT2021 AND ADMG2021 This course introduces the student to the basic principles and foundations of Personal Selling on three levels: industrial, commercial and retail. Emphasis is on the detailed analysis of the sales process as viewed by the salesperson. Other sales foundation topics covered include the organizational buying process, sales communications, the theory of adaptive sales, and ethical/legal issues in selling. Using a variety of instructional methods such as role-playing and video cases, students are given an opportunity to practice their newly acquired sales skills.

Credit Type	**Fixed**
Credits	**3**

MRKT 3033: MARKETING RESEARCH

PREREQUISITE: MRKT2021, MRKT3012 Explores the function which links the consumer, customer, and public to the marketer through information -- information used to identify and define marketing opportunities and problems; generate, refine, and evaluate marketing actions; and, monitor marketing performance. This course deals with the planning for, collection, and analysis of data relevant to marketing decision-making and the communication of the results of this analysis to management.

Credit Type	**Fixed**
Credits	**3**

MRKT 3049: INT'L MKT AND EXPORT MGMT

PREREQUISITE: MRKT2021 AND ADMG2021 An upper level course focusing on key management functions in international marketing: entry strategies, product and pricing politics, financing, promotion and distribution. The course will also concentrate on export management that is the major international activity of most small and medium-sized companies.Cross-listed with INMT3049

Credit Type	**Fixed**
Credits	**3**

MRKT 3050: INTERNET MARKETING

PREREQUISITE: ADMG2021 AND MRKT2021 Marketers have been using electronic tools for many years, but the Internet and other new electronic technologies have created a flood of interesting and innovative ways to provide customer value. Internet Marketing is traditional marketing using electronic methods. It affects traditional marketing in two ways. First, it increases efficiency in established marketing functions. Secondly, the technology of E-marketing transforms many marketing strategies. The transformation results in new business models that add customer value and may increase company profitability. These new opportunities create many questions that are addressed in this course. How can firms leverage new technologies to maximum benefit? How much commitment should marketers make to Internet marketing programs?

Credit Type	**Fixed**
Credits	**3**

MRKT 4001: MARKETING FOR NONPROFITS

PREREQUISITE: MRKT3012 This course positions marketing as the most critical discipline needed for the success of non-profit organizations. Emphasis is placed on the influencing of behavior over a wide range of target markets including clients, donors, policy accomplished by organizing much of the discussion of strategic and tactical marketing options available for non-profit's own paid staff. This is accomplished by organizing much of the discussion of strategic and tactical marketing options available for non-profits around two central behavioral science models: Stages of Change and BCOS Drivers (Benefits, Costs, Others, Self-Efficacy). In addition, this course removes the misconception of non-profit enterprise flourishing everywhere in the world, including Asian and formerly communist countries. The latest research on institutional structure, volunteering, and fundraising is integrated through lectures, vignettes, and case examples

Credit Type	**Fixed**
Credits	**3**

MRKT 4014: MARKETING STRATEGY

PREREQUISITE: MRKT3012, MRKT3033, MRKT2021, ADMG2021 A capstone course in marketing that emphasizes planning at the management level. Examines key concepts and issues that impact planning decisions, such as analysis of the marketing environment; formulation of marketing strategies; and development, implementation, and control of the marketing program. Using case studies, students are expected to develop comprehensive marketing plans and recommended solutions to specific situations encountered by marketing professionals operating in a wide variety of organizations.

Credit Type	**Fixed**
Credits	**3**

MRKT 4016: BRAND MANAGEMENT

PREREQUISITE: ADMG2021 AND MRKT2021 This course addresses the concept of branding which is of major importance to any company using a branding strategy. The role of the brand manager is examined in this combination theory and skills course. Various marketing techniques are studied for the overall responsibility of a brand in order to increase brand equity.

Credit Type	**Fixed**
Credits	**3**

MRKT 4018: SERVICES MARKETING

PREREQUISITE: ADMG2021 AND MRKT2021 The service sector comprises over three-quarters of the US economy, and is continually increasing its dominance. Some estimates suggest that 90% of all new jobs are service positions. Traditionally, marketers have focused on the 4 P's, making marketing mix decisions for products that are finished when they exit a production line. However, service marketers must deal with a broader range of issues, addressed in this course, including design of the service production process, recruitment and training of service providers, and relationship marketing for customer retention.

Credit Type	**Fixed**
Credits	**3**

MRKT 4031: CONTEMPORARY CONCEPTS IN MARKETING

PREREQUISITE: MRKT2021, MRKT3012, MRKT3033, ADMG2021 As the signature course in the Marketing Program, this is a seminar on issues currently drawing attention in the marketing literature and the business community that affect marketing management. Ethical considerations are explored that affect marketing policy-making. Through additional case analysis some of the worst marketing blunders and mistakes in history are examined and evaluated.

Credit Type	**Fixed**
Credits	**3**

MRKT 4035: RETAIL MARKETING AND MANAGEMENT

PREREQUISITE: MRKT2021 AND ADMG2021 Retail marketing examines the set of business activities that adds value to the products and services sold to consumers for their personal or family use. Topics include: store-based retailing, electronic and non-store retailing forms, merchandising, retail pricing, store layout and management, site selection, and retail market strategies.

Credit Type	**Fixed**
Credits	**3**

MRKT 4046: SALES MANAGEMENT

PREREQUISITE: MRKT3016 The role of sales managers is examined in this combination theory and skills course. Various specialized managerial functions are studied such as sales department budgeting, sales force organization, territory design, sales forecasting, sales compensation, performance evaluation, sales training, sales personnel recruitment, and sales force motivation.

Credit Type	**Fixed**
Credits	**3**

MRKT 4051: INTERNSHIP I @

A field experience in a customer service, sales, advertising, retail, or marketing support position, supervised by a field practitioner as well as college faculty. The internship is designed to increase understanding of the various functional areas that comprise the field of marketing.

Credit Type	**Variable**
Credits	**1-6**

NSCI 1001: THE NATURAL SCIENCES (SLSC)

An introduction to the basic concepts of biology, chemistry and physics, which stresses practical applications. Topics include survey of the fundamental concepts of atoms and molecules as the basic building blocks of matter, an overview of the life sciences with an emphasis on human biology and a discussion of the principles underlying common physical phenomena. Open to non-science majors. (SLSC)

Credit Type	**Fixed**
Credits	**3**

NSCI 1005: DRUGS AND THE HUMAN BODY

This course deals with the properties and effects of drugs, and in a more general sense, with the interactions of chemical compounds in living systems. It is a discipline of biology and is closely related to other disciplines, particularly physiology and biochemistry.

Credit Type	**Fixed**
Credits	**3**

NSCI 1010: SCIENCE OF NUTRITION I

This course covers the basic elements of nutrition and its relationship to health. It teaches students essentials of adequate diet and the nutritional needs of various members of the family.

Credit Type	**Fixed**
Credits	**3**

NSCI 1025: Normal and Clinical Nutrition

Credits	**3**

NSCI 2005: DANCE KINESIOLOGY

PREREQUISITE: BIOL1002, HSCU3014 OR HSCU2014 The student will study the skeletal and muscular systems of the body in depth, as well as analyze their interrelationship to one another. The interrelationship of nerves to muscle and bone movement will also be investigated. Analysis of movement is an important component. The interrelationships of one part of the body to another will be investigated. Applications will be made to athletic ability and dance technique.

Credit Type	**Fixed**
Credits	**3**

NSCI 2045: GEOLOGY

Credit Type	**Fixed**
Credits	**3**

NSCS 2011: INTELLIGENCE ANALYSIS AND

PREREQUISITE: CRIM1001 AND ENGL1012 This course examines the process used by analysts to develop strategic intelligence. Students will participate throughout the course as a member of a group tasked to complete an estimative project. Students will learn to apply strategic theory to critical national security problems. Cross-listed with CRIM2011

Credit Type	**Fixed**
Credits	**3**

NSCS 3010: BUSINESS INTELLIGENCE

PREREQUISITE: ENGL1012 OR ENGL1012H This course explores the methods used to obtain and analyze data to create information that businesses can utilize in making decisions. An emphasis is placed on using public source information to meet the objectives of practical exercise scenarios.

Credit Type	**Fixed**
Credits	**3**

NSCS 3011: RESEARCH METHODS FOR ANALYSTS

PREREQUISITE: NSCS3010 This course examines the research methods and presentation techniques utilized by intelligence analysts. The student will be immersed in the world of Open Source Intelligence and will be taught to use relevant analytical tools in the form of open source search techniques and Intellipedia software. Students will function as members of an intelligence cell where they will use analytical tools to create both team and individual intelligence reports focused on selected criminal and terrorist organizations. Each student in this course will, as a final exercise, be responsible for producing an intelligence product and presenting a PowerPoint-based briefing to a panel of experts drawn from the Intelligence Community.

Credit Type	**Fixed**
Credits	**3**

NSCS 3015: Financial Investigation and Analysis

Credits	**3**

NSCS 4005: SENIOR SEMINAR - NSS

This course is the capstone course required of all national security studies majors. Senior students will engage in an in-depth study of both the historical and current national security policies of the United States and selected foreign countries. Students are expected to possess excellent research and writing skills to be successful in this course. They are required to write and orally present several short white papers dealing with critical issues in the areas of national security and intelligence. The students' knowledge base is evaluated during this course through the use of a comprehensive examination that encompasses the six national security major required courses. The course culminates with an extensive white paper and oral presentation concerning a current national security policy of the United States or a foreign country if the policy impacts the security posture of the United States.toms.

Credit Type	**Fixed**
Credits	**3**

NSCS 4012: EMERGENCY PREPAREDNESS AND

This course examines the issues and processes associated with the most critical domains of security management. In particular, the course will focus on risk analysis, security surveys, response planning, and the principles of the all-hazards approach to risk management. Cross-listed with CRIM4012

Credit Type	**Fixed**
Credits	**3**

NSCS 4057: Independent Study - National Security Studies

Credits	**3**

NURN 5004: THEORY & PROF NURSING PRACTICE

This course provides the foundation for comprehensive nursing practice. Students explore theories from nursing, natural, social, biological, and organizational sciences to frame their future practice. Key concepts are presented regarding leadership, adult learning, communication, professionalism, human diversity, and transition of the nurse to the nursing practice role.

Credit Type	**Fixed**
Credits	**3**

NURN 5007: COMPREHENSIVE PHARMACOLOGY

This course provides the opportunity for students to acquire complex knowledge and skills in the pharmacologic treatment of commonly encountered health problems and to build on foundational concepts from a basic pharmacology course and experience in the clinical setting. The role of the nurse in collaboration with health team members in providing safe and effective drug therapy will be explored. Principle of pharmacodynamics, pharmacokinetics, pharmacogenetics, and pharmacogenomics as well as adverse drug reactions will be incorporated in the decision-making process to assess and monitor drug therapy and to teach patients safe and effective medication administration. The effects of culture, ethnicity, age, pregnancy, gender and economics on pharmacologic therapy will be emphasized. Assessment of the use of herbal and nutritional supplements, nutraceutical, and over-the-counter drugs on prescribed therapies will be addressed. In addition, current issues in drug therapy will be discussed such as the role of the nurse in the current opioid epidemic and the use of medical marijuana.

Credit Type	**Fixed**
Credits	**3**

NURN 5009: COMPREHENSIVE PATHOPHYSIOLOGY

This course focuses on the analysis of pathophysiologic and psychologic processes and concepts that serve as the foundation for clinical assessment and pharmacological management of patients with common disease states across the lifespan. This course builds on the foundational concepts of basic anatomy and physiology and the clinical experiences in the medical surgical courses throughout the program. The student will interpret the results of diagnostic and laboratory tests used to diagnose and to monitor changes in selected pathophysiologic and psychologic conditions. The student is guided in assessing the influence of genetics, lifestyle, culture, gender, age, and economic status on the etiology and progression of selected pathophysiologic and psychologic alterations. In addition, current issues related to selected pathophysiologic and psychologic conditions are explored.

Credit Type	**Fixed**
Credits	**3**

NURN 5012: HEALTH POLICY & GLOBAL CONSIDERATIO

This course focuses on healthcare policy in the United States and the related global health considerations. Students critically examine the national health care agenda and nurging's role in relation to the health of the nation, global health, and global health policy. Federal, state, and local political structure and function are examined along with the hierarchy of political involvement, interest groups and lobbyists, advocacy strategies, ethical issues and the public policy process. An overview of health care finance as it relates to health policy is presented and strategies to influence the regulatory process will be explored.

Credit Type	**Fixed**
Credits	**3**

NURN 5017: COMPREHENSIVE HEALTH ASSESSMENT

This course focuses on performing a comprehensive health assessment on patients throughout the lifespan and communicating the assessment findings to members of the multi-disciplinary health care team. The course builds on knowledge of anatomy, physiology, pathophysiology, pharmacology, and health assessment skills previously attained in undergraduate nursing education. Emphasis is placed on the collection, interpretation, and synthesis of relevant historical, genetic, biological, cultural, psychosocial and physical data for the development of a comprehensive and holistic health assessment. Evidence based practice concepts related to health promotion/disease prevention are applied. Diagnostic reasoning skills are developed to determine health and risk status, develop health promotion/ disease prevention strategies, and establish priorities of care. This course will incorporate 30 hours of clinical experience with a preceptor focusing on health assessment.

Credit Type	**Fixed**
Credits	**3**

NURN 5101: PROF NURSING PRACTICE: ESSENTIALS

This course is designed to provide the student with essential concepts that guide the professional nursing practice. Professional identity, the nursing process, caring, communication and documentation, teaching and learning, as well as, culture and spirituality concepts are explored to develop critical thinking necessary to providing patient-centered care.

Credit Type	**Fixed**
Credits	**3**

NURN 5103: PROF NURSING PRACTICE: FUNDAMENTALS

This course is designed to provide the student with the fundamental skills in assessment, intervention techniques, and evaluation methods essential to nursing practice. Basic concepts of anatomy, pathophysiology, and microbiology are applied to the foundational skills that guide the student in health promotion and maintenance, reduction of risk potential, as well as, basic care and comfort. The course contains a 90-hour clinical component that allow students the opportunity to develop competency in skills that promote and maintain health, reduce risk, and provide care and comfort.

Credit Type	**Fixed**
Credits	**3**

NURN 5103C: PROF NURS PRACT: FUNDAMENT CLINICAL

Clinical component.

Credit Type	**Fixed**
Credits	**2**

NURN 5105: ESSENTIALS OF PHARMACOLOGY

This course is designed to prepare the student with the essential concepts and principles of pharmacology and pharmacotherapeutics essential for the administration and management of patient medication therapies. Major drug classifications will be explored from the perspective of safe medication administrations. Therapeutic usage and action, dosages, and contraindications will be examined in detail with a focus on drug action and adverse events. Students will apply knowledge of pharmacology in simulation to ensure safe, effective patient-centered care. The course includes a lab-simulation component allowing students the opportunity to practice safe medication administration and effective patient-centered care.

Credit Type	**Fixed**
Credits	**3**

NURN 5105L: ESSENTIALS OF PHARMACOLOGY-LAB

Accompanying lab component.

Credit Type	**Fixed**
Credits	**1**

NURN 5107: INQUIRY AND EVIDENCE IN

This course is designed to provide the student the opportunity to apply information literacy, clinical inquiry, and evidence to nursing practice. Concepts and information related to the use of scholarly evidence to implement, change or evaluate nursing practice in the provision of quality care will be presented. The nurses' role in evaluating and integrating evidence-based practice, quality improvement, and research will be emphasized.

Credit Type	**Fixed**
Credits	**3**

NURN 5109: PROF NURSING PRACTICE: ADULT I

This course is designed to promote development and application of the essential concepts and fundamental skills of the studentâ€™s nursing practice to the care of patients experiencing common acute and chronic health conditions. Guided by the nursing process and employing a holistic approach, students apply health promotion, disease management, and restorative techniques associated with the common acute and chronic conditions. The course includes a 90-hour clinical component enabling students the opportunity to apply these essential concepts and skill in practice settings.

Credit Type	**Fixed**
Credits	**4**

NURN 5109C: PROF NURS PRACT: ADULT I - CLINICAL

Clinical component.

Credit Type	**Fixed**
Credits	**2**

NURN 5111: SPEC CONSID IN CARE OF OLDER ADULT

This course is designed to enable the student to focus on health-related issues of older adults. The course closely examines the unique needs and vulnerabilities of the older adult. Physical and psychological issues and their relation to the determinants of health are examined closely with a focus on an interdisciplinary approach to promote patient autonomy and patient centered care.

Credit Type	**Fixed**
Credits	**3**

NURN 5113: PUBLIC HEALTH AND EPIDEMIOLOGY

This course is designed to provide the student with epidemiologic and public health concepts that guide evidence-based practice in the healthcare environment. The science of population-based care inclusive of epidemiology, social epidemiology and evidence-based practice for population health will be presented. An examination of the various conditions occurring within diverse populations that influence health outcomes, policy development, health improvement interventions, and impact health inequities will be included in the course. The use of population health databases, technological innovations and social media to assess, plan and deliver programs to improve health at the local, national, and global level will be explored.

Credit Type	**Fixed**
Credits	**3**

NURN 5115: QUALITY IMPROV & SAFETY IN HEALTHCA

This course focuses on three main areas impacting quality and safety of nursing care: the national agenda and the economics driving quality initiatives, evidence-based strategies to promote safety and quality, and management of health data to improve aspects of health outcomes. The synthesis of these three important concepts will provide a foundation for the entry level student to make clinical decisions, direct patient care, and promote safety.

Credit Type	**Fixed**
Credits	**3**

NURN 5117: PROF NURSING PRACTICE: ADULT II

This course is designed to further develop the student's critical thinking and clinical judgment in the use of concepts and skills essential to the care of clients experiencing acute and chronic health conditions. The student will utilize the nursing process, development of holistic and comprehensive nursing assessments, planning, intervention implementation, and evaluation to direct the care of clients to meet optimal outcomes. Aspects of health promotion, disease management, and adaptation to health disorders are also analyzed. A 90-hour clinical component provides the student with the opportunity to utilize the developed concepts and skills in practice settings.

Credit Type	**Fixed**
Credits	**3**

NURN 5117C: PROF NURS PRACTICE: ADULT II CLINIC

Clinical component.

Credit Type	**Fixed**
Credits	**2**

NURN 5119: PROF NURSING PRACTICE:MENTAL HEALTH

This course is designed provides the student with concepts related to mental health and psychiatric disorders throughout the lifespan. Students will incorporate professional nursing standards and values to the care of individuals and families experiencing mental health issues and psychiatric disorders. Health promotion, disease prevention, and adaptation to alterations specific mental health and psychiatric disorders will be explored. The 90-hour clinical provides students the opportunity to care for patients and families in the mental health setting.

Credit Type	**Fixed**
Credits	**3**

NURN 5119C: PROF NUR PRACT:MENTAL HEALTH CLINIC

Clinical component.

Credit Type	**Fixed**
Credits	**2**

NURN 5121: RESEARCH METHODS

In this course, the research process is presented, with emphasis on varying approaches, methodologies, conceptual frameworks, and ethical considerations. The value of scientific evidence and the discipline of nursing as the basis for providing quality care and improving practice is highlighted. Students are afforded the opportunity to critically evaluate nursing research and utilize credible evidence to implement best practices.

Credit Type	**Fixed**
Credits	**3**

NURN 5123: PROF NURSING PRACTICE: ADULT III

This course is designed to develop the student's ability to apply critical thinking and clinical judgement to complex concepts and skills for in complex nursing situations with adult patients and families. Coursework emphasizes nursing assessment, skills, care, and management of adults experiencing complex health alterations. The course includes a 90-hour clinical component to develop the complex concepts and skills necessary for complex patient care.

Credit Type	**Fixed**
Credits	**3**

NURN 5123C: PROF NURS PRAC: ADULT III -CLINICAL

Clinical component.

Credit Type	**Fixed**
Credits	**2**

NURN 5124C: PROF NUR: MATERNAL NEWBORN CLINICAL

This maternal newborn clinical course accompanies the NURN 5125 Professional Nursing Practice: Women and Children theory course and must be taken concurrently with the NURN5125 theory course. The 45-hour clinical experience provides the student with an opportunity to apply the course's theoretical concepts and implement holistic, safe, family-centered care to pregnant populations and newborns in selected settings. This course is graded as “Pass/Fail.” Successful completion of this course (“Pass”) requires satisfactory clinical performance.

Credit Type	**Fixed**
Credits	**1**

NURN 5125: PROF NURSING PRACTICE:WOMEN & CHILD

This course provides the student with the opportunity to integrate nursing and developmental theories to emphasize family-centered care of pregnant women, newborns, and children. Pertinent physiological, developmental, and sociocultural concepts related to health promotion and disease prevention will be addressed. Nursing care of women through antepartum, intrapartum, postpartum periods and the newborn's adaptation to extra-uterine life will be emphasized. In addition, nursing care of the pediatric patient from infancy through adolescence will be addressed with attention to the following concepts: growth and development, effects of hospitalization, and common acute and chronic disorders. The 90-hour clinical experience provides the student with an opportunity to apply the course's theoretical concepts and implement safe family-centered care to mothers, newborns, and children in selected settings.

Credit Type	**Fixed**
Credits	**3**

NURN 5125C: PROFESSIONAL NURSING PRACTICE:

Clinical component.

Credit Type	**Fixed**
Credits	**2**

NURN 5126C: PROF NURS PRACT: PEDIATRIC CLINICAL

This pediatric clinical accompanies the NURN 5125 Professional Nursing Practice: Women and Children theory course and must be taken concurrently with that NURN5125 theory course. The 45-hour clinical experience provides the student with an opportunity to apply the course's theoretical concepts and implement safe, family-centered care to children in selected settings. This course is graded as “Pass/Fail.” Successful completion of this course (“Pass”) requires satisfactory clinical performance.

Credit Type	**Fixed**
Credits	**1**

NURN 5127: HEALTH PROMOTION ACROSS THE LIFESPA

The nurse's role in health promotion for individuals, communities or groups is the focus of this course. Models and theories of health promotion, behavioral change and health education will be explored. Determinants contributing to or hindering optimal health are examined. Evidence-based health promotion interventions will be addressed.

Credit Type	**Fixed**
Credits	**3**

NURN 5129: PROF NURS PRACT: NURSING PRACTICUM

This seminar and practicum course provides the student with the opportunity to apply the knowledge, skills, and core values of the professional nurse as they transition from student to graduate nurse. Prioritization, delegation, and time management during provision of care will be emphasized. Integration of professional practice standards and effective communication will be highlighted. The 90-hour practicum component of the course enables students the opportunity to apply their nursing knowledge and skills in the clinical settings under the supervision of an RN preceptor.

Credit Type	**Fixed**
Credits	**1**

NURN 5129C: PROF NURS: NURS PRACTICUM CLINICAL

Clinical component.

Credit Type	**Fixed**
Credits	**2**

NURN 5131: NURSING LEADERSHIP

This course is designed to provide the students to the leadership role of professional nursing practice. Students will explore leadership and management theories. Professional concepts such as quality and safety, interprofessional communication and collaboration, delegation, supervision, education, and evidence-based practice are expanded upon with in the concept of leadership. By completion of the course students will identify and develop a clinical based project to improve care or address an ongoing issue within a complex health delivery system.

Credit Type	**Fixed**
Credits	**3**

NURU 1000: INTRODUCTION TO NURSING

This course is designed to introduce students to the foundational concepts and processes of the nursing profession and practice. Concepts in critical thinking, growth and development, communication, teaching and learning, and management of care are explored.

Credit Type	**Fixed**
Credits	**3**

NURU 1005C: FOUNDATIONS OF CLINICAL NURSING-

This course is designed to provide knowledge and skills necessary for the safe provision of basic therapeutic interventions for patients throughout the lifespan within the context of the nursing process. The student will develop beginning competence in performing basic nursing and physical assessment skills in the laboratory classroom. Opportunity for the student to apply knowledge from Introduction to Nursing as well as basic nursing and physical assessment skills with adult clients and their families will occur in the clinical component of this course.

Credit Type	**Fixed**
Credits	**0**

NURU 1005L: FOUNDATIONS OF CLINICAL NURSING-

Clinical component.

Credit Type	**Fixed**
Credits	**0**

NURU 2000: MEDICAL SURGICAL NURSING OF THE

PREREQUISITE: NURU1000 AND NURU1005, GRADE OF C OR BETTER This course is designed to introduce students to the application of foundational concepts to the practice of medical surgical nursing of the adult patient. Issues related to health promotion, disease prevention, and health restoration in patients experiencing common acute and chronic disorders will be explored. Skills related to safe administration of medication, intravenous therapy, oxygen therapy and care of the patient with wounds and selected orthopedic conditions will be presented in the classroom laboratory. Students will be guided in the application of knowledge and skills in the acute care setting with adult patients and their families. The 90-hour clinical experience is structured to provide students the opportunity to care for adult patients and their families.

Credit Type	**Fixed**
Credits	**6**

NURU 2000C: MEDICAL SURGICAL NURSING OF THE

Clinical for Medical Surgical Nursing

Credit Type	**Fixed**
Credits	**0**

NURU 2000L: MEDICAL SURGICAL NURSING OF THE

The focus of this course is the application of the nursing process to address adaptation to actual or potential health problems of the adult and their families with selected acute and chronic illnesses. Health promotion and disease prevention for young, middle-aged and older adults are also explored. Skills related to the safe administration of medications, intravenous fluids, and medical-surgical procedures will be practiced in the clinical laboratory and assessment skills will be further developed. The student will be guided in the application of knowledge and skills in the acute care setting with adult and elderly patients/families.

Credit Type	**Fixed**
Credits	**0**

NURU 2005: LPN to RN TRANSITION COURSE

The licensed practical nurse (LPN) student enters the ASN program as a provider of care practicing within the standards of practice, code of ethics, and state board of nursing regulations for the LPN. This course is designed to assist the LPN to build upon this knowledge as the student makes the transition to the role of the registered nurse (RN). The student will be introduced to the conceptual framework of the ASN program and will explore the professional nursing roles, ANA scope, standards of practice, code of ethics and PA nurse practice act. The nursing process, caring, communication, documentation, and the teaching learning process as practiced by the registered nurse will be explored. Basic assessment skills, medication preparation, administration and IV therapy skills and other fundamental nursing skills will be evaluated.

Credit Type	**Fixed**
Credits	**3**

NURU 2010: MENTAL HEALTH NURSING

PREREQUISITE: NURU2020 AND NURU2000, GRADE OF C OR BETTER This course is designed to introduce students to the concepts of mental health-mental health illness across the lifespan. Utilizing the nursing process as a framework, students will care for patients experiencing mental health problems. Therapeutic communication, developmental theories, and changes in behavior patterns are presented and explored. Students will be guided in the application of principles from biologic and behavioral sciences and nursing to assist the patient and family to adapt to stressors and disruptions in mental health and mental health disorders. Health promotion and disease prevention as well as socio-cultural perspectives related to mental health will be reviewed. The 90-hour clinical experience is structured to provide students the opportunity to care for patients and families in the mental health setting.

Credit Type	**Fixed**
Credits	**4**

NURU 2010C: MENTAL HEALTH NURSING - CLINICAL

Clinical for Mental Health Nursing

Credit Type	**Fixed**
Credits	**0**

NURU 2012: CHILDBEARING & WOMEN'S HEALTH

PREREQUISITE: NURU2010, GRADE OF C OR BETTER This course is designed to explore the role of the nurse in family centered care of the childbearing family before, during and after birth. Concepts and issues related to health promotion, disease prevention and illness, and care of women throughout the lifespan will also be addressed. Application of the nursing process in caring for childbearing women and their families will be emphasized. The 90-hour clinical experience is structured to provide students the opportunity to care for childbearing women and their families in a variety of settings.

Credit Type	**Fixed**
Credits	**4**

NURU 2012C: CHILDBEARING AND WOMEN'S HEALTH

Clinical for Childbearing & Women's Health Nursing

Credit Type	**Fixed**
Credits	**0**

NURU 2015: NURSING OF CHILDREN

PREREQUISITE: NURU2010, GRADE OF C OR BETTER This course is designed to provide the student with knowledge of the role of the nurse in health promotion of children and families during illness. Utilization of the nursing process will be emphasized in caring for children with acute and chronic health problems in a variety of ambulatory, community, acute and transitional care settings. The 90-hour clinical experience is structured to provide students the opportunity to care for children and families in a various pediatric health settings.

Credit Type	**Fixed**
Credits	**4**

NURU 2015C: NURSING OF CHILDREN - CLINICAL

Clinical for Nursing of Children

Credit Type	**Fixed**
Credits	**0**

NURU 2020: PHARMACOLOGY FOR NURSING

PREREQUISITE: NURU1000 AND NURU1005, GRADE OF C OR BETTER This course is designed to introduce the student to the pharmacokinetics and pharmacodynamics of drug therapy. The actions, interactions, adverse effects, and nursing implications of drug therapy are explored. Students will recognize evidence based nursing processes related to medication documentation, provider prescriptions, and legal considerations across the lifespan.

Credit Type	**Fixed**
Credits	**3**

NURU 2027: A COGNITIVE APPROACH TO CLINICAL

PREREQUISITE: NURU2121, NURU2015, NURU2012 (ALL WITH GRADE OF C OR BETTER) This course is designed to provide the student with clinical reasoning skills required by professional nurses. Factors that influence the ability to effectively solve problems are examined to facilitate higher level thinking in simulated clinical situations. Strategies to decrease anxiety and improve test performance are an integral part of the cognitive/ behavioral approach in this course.

Credit Type	**Fixed**
Credits	**3**

NURU 2030: TRANSITION FROM STUDENT TO

PREREQUISITE: NURU2121, NURU2012, NURU2015, NURU2035 (ALL WITH GRADE OF C OR BETTER) This course provides students with the opportunity to apply the knowledge and skills necessary for the transition from student to graduate nurse. Students will utilize critical thinking, communication skills, and the nursing process to prioritize and provide safe, evidence-based nursing care to multiple patients and families in clinical settings. Principles and philosophies of leadership and management that enable the graduate nurse to safely prioritize and delegate care of patients to other members of the health team are examined. The 60 hour clinical component of the course enables the student to transfer theoretical knowledge to application in the clinical setting under the direction and supervision of a preceptor.

Credit Type	**Fixed**
Credits	**3**

NURU 2030C: TRANSITION FROM STUDENT TO

Clinical component.

Credit Type	**Fixed**
Credits	**0**

NURU 2035: MEDICAL SURGICAL NURSING OF THE

This course is designed to facilitate the student's ability to integrate knowledge of pathophysiology and the nursing process to the care of patients and families experiencing complex health problems. The use of advanced technologies is integrated into the nursing process to provide safe, effective nursing care for patients as they adapt to these illnesses. The 90-hour clinical experience will provide students with opportunities to apply knowledge and skills from the classroom setting to the care of patients and families with these complex health issues.

Credit Type	**Fixed**
Credits	**4**

NURU 2035C: MEDICAL SURGICAL NURSING OF THE

Clinical component.

Credit Type	**Fixed**
Credits	**0**

NURU 2121: MEDICAL SURGICAL NURSING OF THE

PREREQUISITE: NURU2010 AND NURU2010C, GRADE OF C OR BETTER This course is designed to provide the students with the knowledge and skills required to care for adult patients and families experiencing selected acute and chronic disorders. Issues related to illness, health promotion, disease prevention, and rehabilitation of selected disorders will be explored. The 90-hour clinical experience is structured to provide students the opportunity to care for adult patients and their families experiencing acute and chronic disorders.

Credit Type	**Fixed**
Credits	**4**

NURU 2121C: MEDICAL SURGICAL NURSING OF THE

Clinical component.

Credit Type	**Fixed**
Credits	**0**

NURU 3021: LEADERSHIP IN NURSING PRACTICE

This course is designed to provide students an opportunity to broaden their knowledge of professional nursing practice by enhancing their leadership and management skills. Knowledge and skills of nursing leadership and management will be examined through didactic course work, and a 30 hour practicum experience structured to provide students with the opportunity to develop a project or provide a service in a selected healthcare setting. Core competencies for quality care as well as legal, ethical, and professional values will be explored as related to nursing leadership and management.

Credit Type	**Fixed**
Credits	**3**

NURU 3023: EVIDENCE BASED PRACTICE AND

This course is designed to provide the student an opportunity to explore the nature, value, and utility of nursing research, and the relationships among research, theory, and practice. An overview of the research process is presented, with emphasis on varying approaches and methodologies, conceptual consistency, and ethical considerations. Critical appraisal of published research affords the student the opportunity to identify valid, rigorous research necessary to support evidence-based practices.

Credit Type	**Fixed**
Credits	**3**

NURU 3028: HEALTH CARE FOR OLDER ADULTS

This course is designed to provide students the opportunity to explore the historical and contemporary health experiences of older people with an emphasis on health promotion, disease prevention, living with chronic illness, and evidence-based nursing interventions to improve and maintain the health of older people. Students will examine health disparities and common health problems in older adults.Ethical, legal, and health policy issues impacting health care for older adults will also be examined.

Credit Type	**Fixed**
Credits	**3**

NURU 3030: HEALTH PROMOTION IN NURSING

This course is designed to offer students the opportunity to explore the nurse's role in health promotion, disease and injury prevention and health education across the life span. Students will examine models and theories of health promotion, behavioral change and health education related to individuals and communities. Sociocultural, economic, genetic and political determinants that contribute to or hinder achieving optimal health are addressed. Evidence-based interventions that promote healthy behaviors of individuals and communities and prevent morbidity and mortality are analyzed.

Credit Type	**Fixed**
Credits	**3**

NURU 3035: QUALITY AND SAFETY IN HEALTHCARE

This elective course provides the opportunity to explore quality and safety competencies in health care and nursing practice. Knowledge, skills, and attitudes related to these competencies will be explored as will the national agenda driving quality and safety initiatives, strategies to build a culture of quality and safety, interprofessional approaches to quality and safety, and global issues and strategies related to quality and safety. Selected issues related to safe, quality nursing care will be investigated.

Credit Type	**Fixed**
Credits	**3**

NURU 3036: INTRO TO HEALTH POLICY

This course is designed to provide the student an overview of the context of health care including the organization and financing of patient services, how reimbursement is structured, and the scope and role of regulatory agencies that define boundaries of nursing practice. Health care policy issues and the political process addressing those issues will be examined. Strategies for influencing the political process by nurses, other health professionals, lay and special advocacy groups will be explored.

Credit Type	**Fixed**
Credits	**3**

NURU 4012: INTRO TO NURSING INFORMATICS

This elective course provides the student with the opportunity to explore nursing informatics and technology applications in healthcare with emphasis on preparing entry level nurses with basic nursing informatics competencies. A brief history and evolution of health care technology, selected concepts, theories and models related to healthcare information systems, current systems and their uses, with emphasis on quality and safety in delivering patient care, and trends and future directions in implementing healthcare information systems will be introduced. Knowledge and skill in information processing and data management, professional roles, competencies, and skills of an informatics nurse as a project team member, and a systems design model will also be addressed.

Credit Type	**Fixed**
Credits	**3**

NURU 4020: CURRENT ISSUES IN NURSING

This course is designed to provide the students with the opportunity to explore the contemporary context of professional nursing practice and health care delivery. Students will examine the major issues and trends in nursing and healthcare and consider the influence of socioeconomic, ethical, legal, and political variables as well as professional values on contemporary nursing practice.

Credit Type	**Fixed**
Credits	**3**

NURU 4021: COMMUNITY NURSING

This course is designed to provide the student the opportunity to explore concepts and practices of public health and community health nursing. Students will utilize their prior knowledge of nursing, humanities, natural and applied sciences to develop community nursing knowledge and skills to promote health of families, communities, and populations. The course focuses on health promotion and disease prevention and incorporates ethical and legal issues in community health nursing practice. In addition, the student will examine the impact of cultural, social and religious differences that impact community nursing practice. The 30 hour practicum experience is structured to provide students with the opportunity to develop a program or provide a service to promote health of a selected community.

Credit Type	**Fixed**
Credits	**3**

NURU 4024: ALTERNATIVE AND COMPLEMENTARY

Alternative and complementary therapies in nursing is an elective course for the RN-BSN majors. In this course the students will explore alternative and complementary therapies from the perspectives of foundational theories and the related therapies: mind-body-spirit, manipulation-based, natural products, and energy therapies. Current issues in education, practice, and research in the alternative and complementary therapies is the focus of this course.

Credit Type	**Fixed**
Credits	**3**

NURU 4026: ETHICAL AND LEGAL ASPECTS IN

This course is designed to offer students the opportunity to examine the influence of the laws, legal and ethical issues on professional nursing practice in today's complex and changing health care delivery environments. Frequently encountered ethical and legal issues in nursing practice and various healthcare settings will be explored.

Credit Type	**Fixed**
Credits	**3**

NURU 4027: HEALTH CARE FOR WOMEN

In this course, students will have the opportunity to explore the historical and contemporary health experiences of women with an emphasis on health promotion, disease prevention, and evidence-based nursing interventions to improve health care of women. Students will examine the health disparities and common health problems in women across the lifespan. The impact of ethical factors, legal factors and health care policy will also be examined. Students will also identify issues that impact women's health at the local, national and global levels.

Credit Type	**Fixed**
Credits	**3**

NURU 4030: SCHOOL NURSE: ROLE FOUND & PRACTICU

PREREQUISITE: EDUC2000, EDSP2015 & EDSP3015 (ALL WITH GRADE OF C OR BETTER) This course is designed to prepare students for the school nurse role and administration of a comprehensive school health program. The essential responsibilities of the school nurse in meeting the needs of school-aged children are emphasized. The course includes a PA Department of Education required 100-hour practicum with a PA Certified School Nurse.

Credit Type	**Fixed**
Credits	**4**

NURU 4032: PALLIATIVE AND END-OF-LIFE

This course is designed to offer students the opportunity to explore the professional nurse's role in palliative care and care at the end of life. Students will examine dimensions of professional nursing practice with clients and families facing chronic life-threatening illnesses and end of life. Ethical and legal issues impacting nursing care will be examined. Evidence-based management of physical, psychosocial and spiritual concerns of clients and their families at end of life and the palliative care of special populations will be investigated.

Credit Type	**Fixed**
Credits	**3**

NURU 4035: STRUCTURES INFLUENCING THE

This course is designed to explore a framework of fact, myth, symbol and stereotype that influence the delivery of health care to families. The focus is on the complex web of communication in the interrelationship of family-nurse-physician. Students will be guided to analyze power and authority in the health care work force within the historical context of changing expectations and responsibilities.

Credit Type	**Fixed**
Credits	**3**

NURU 4037: HEALTH CARE FOR MEN

In this course students will have the opportunity to explore the historical and contemporary health experiences of men with an emphasis on health promotion, disease prevention and evidence-based nursing interventions to improve health of men. Students will examine health disparities and common health problems in men across the lifespan. The impact of ethical, legal and health policy issues will also be examined. Students will identify issues that impact men's health at the local, national and global levels.

Credit Type	**Fixed**
Credits	**3**

NURU 4050: SPECIAL TOPICS: IN NURSING

SP18 - ASN Nursing Seminar: This special topics course will provide nursing students with the opportunity to apply knowledge to case scenarios and simulation exercises related to advanced medical surgical concepts. Through online modules students will explore select nursing and practice topics. Students will also practice select nursing skills in the Nursing Resource Laboratory under the direction of the course instructor.

Credit Type	**Fixed**
Credits	**2**

PART 1000: FR PERFORMANCE

This course is designed to develop the artist's comprehension and execution of various forms of repertoire in an effort to guide the student's body and mind towards an articulate performance. This course is designed to offer the artist an array of dance voices via the recruitment of various guest choreographers to set original works for performance, the rights to learn and perform previously established works by established choreographers, and the opportunity to create and set creative works among the student population.

Credit Type	**Fixed**
Credits	**1**

PART 1001: MUSIC APPRECIATION I (SLAE)

An overview of musical eras from the Middle Ages through the 20th Century (Bach, Beethoven and the boys). Various listening activities are geared for the non-musician. (SLAE)

Credit Type	**Fixed**
Credits	**3**

PART 1002: MUSIC APPREC II: INTRO TO JAZZ

An introduction to jazz for the non-musician. Eras covered include the roots of jazz, blues, ragtime, swing, bop, cool, jazz rock, jazz fusion and current trends. Jazz artists ranging from Louis Armstrong and Ella Fitzgerald to Harry Connick, Jr. and Diana Krall. (SLAE)

Credit Type	**Fixed**
Credits	**3**

PART 1004: FR BALLET TECHNIQUE

This course is designed to develop the artist's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and precision. The artist will work to demonstrate a clear articulation of the French ballet vocabulary, the direct translation of the vocabulary into English, and the exact articulation of each movement as it is accomplished at both the barre and in centre practice.

Credit Type	**Fixed**
Credits	**3**

PART 1005: FR CONTEMPORARY/MODERN

This class is designed to develop the artist's use of space, emotion, mood, and the deliberate use of gravity. This course will focus on traditional modern dance techniques such as Graham, Lewitsky, and Cunningham technique in addition to contemporary dance styles inclusive of release technique, contemporary ballet, and Bodiography technique.

Credit Type	**Fixed**
Credits	**3**

PART 1009: FR POINTE/PAS DE DEUX

This course is designed to develop the artist's knowledge of pointe technique through the emphasis of strength, mechanics, artistry, and precision. The artist will work to demonstrate a clear articulation of the ballet vocabulary via the exact articulation of footwork in each movement as it is accomplished at both the barre and in centre practice. This class also designed to develop the artist's understanding of ballet and contemporary partnering. It will work to define the practices and techniques of shared movement and will encourage the artist to explore and examine how their individual body moves in space with another.

Credit Type	**Fixed**
Credits	**1**

PART 1012: FR VARIATIONS/REPERTOIRE

Variations/Repertoire - is a course that explores various notable ballet and contemporary variations. Focusing on ballet technique and performance quality, this course seeks to expand on the student's dance performance knowledge and ability while exposing them to a wide selection of repertoire.

Credit Type	**Fixed**
Credits	**1**

PART 1020: FR MEN'S DANCE TECHNIQUE

This class is designed to develop the male dancer's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and a love of dance. Placement will be determined by previous training and student potential as demonstrated in the audition process. Male students must complete a total of 8 credits in this course.jury.

Credit Type	**Fixed**
Credits	**1**

PART 1022: FUNDAMENTALS OF MUSIC I

A hands-on introduction to the language of music (notation, scales, melody, harmony, etc.) using recorders, percussion and listening examples from various musical genres. This class is built for the non-musician. (SLAE)

Credit Type	**Fixed**
Credits	**3**

PART 1023: CHORUS

The Choir of La Roche provides an opportunity for students, faculty and staff to explore and perform group vocal music. Selected repertoire represents a wide variety of styles from the western European and American traditions, with special attention to other world music traditions. The choir presents several major concerts each year and participates in community projects throughout Southwestern Pennsylvania.

Credit Type	**Fixed**
Credits	**1**

PART 1024: INDIVIDUAL INSTRUCTION - VOICE

This course consists of individual instruction in voice. The course is designed for both beginner and more advanced students. Private interview will determine level of instruction.

Credit Type	**Fixed**
Credits	**1**

PART 1025: INDIVIDUAL INSTRUCT - INSTRUMENT

This course consists of individual instruction on a selected instrument. The course is designed for both beginner and more advanced students. Private interview will determine level of instruction.

Credit Type	**Fixed**
Credits	**1**

PART 1045: HISTORY OF ROCK AND ROLL (SLAE)

AN INTRODUCTION TO THE EARLY YEARS OF ROCK MUSIC (1950s to MID 1970s) FOR THE NON-MUSICIAN. THE CLASS WILL INCLUDE THE ROOTS OF ROCK AND ROLL, TEEN IDOLS, THE FOLK MUSIC CRAZE, THE BRITISH INVASION, MOTOWN, PSYCHEDELIC MUSIC, JAZZ ROCK, PROGRESSIVE ROCK, SINGER-SONGWRITERS AND THE ROOTS OF METAL. THE HISTORY OF THE 1950s AND 60s WILL BE HIGHLIGHTED BY THE VARIOUS STYLES OF MUSIC. (SLAE)

Credit Type	**Fixed**
Credits	**3**

PART 1050: JAZZ/HIP HOP-DANCE ELECTIVE

This is a one-hour course in the techniques of hip-hop dance.

Credit Type	**Fixed**
Credits	**1**

PART 1055: HISTORY OF MUSICAL THEATER

A SURVEY OF MUSICAL THEATER AND ITS DEVELOPMENT FROM ITS ROOTS THROUGH THE EARLY 20TH CENTURY, THE ZIEGFELD FOLLIES, THE 1920â€™S IN NEW YORK, BROADWAY AND HOLLYWOOD IN THE 1930â€™S, THE GOLDEN AGE OF MUSICALS AND MOVIES UP TO AND INCLUDING TODAYâ€™S MUSICAL THEATER. (SLAE)

Credit Type	**Fixed**
Credits	**3**

PART 2001: SO PERFORMANCE

This course is designed to develop the artist's comprehension and execution of various forms of repertoire in an effort to guide the student's body and mind towards an articulate performance. This course is designed to offer the artist an array of dance voices via the recruitment of various guest choreographers to set original works for performance, the rights to learn and perform previously established works by established choreographers, and the opportunity to create and set creative works among the student population.

Credit Type	**Fixed**
Credits	**1**

PART 2004: SO BALLET TECHNIQUE

This course is designed to develop the artist's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and precision. The artist will work to demonstrate a clear articulation of the French ballet vocabulary, the direct translation of the vocabulary into English, and the exact articulation of each movement as it is accomplished at both the barre and in centre practice.

Credit Type	**Fixed**
Credits	**3**

PART 2005: SO CONTEMPORARY/MODERN

This class is designed to develop the artist's use of space, emotion, mood, and the deliberate use of gravity. This course will focus on traditional modern dance techniques such as Graham, Lewitsky, and Cunningham technique in addition to contemporary dance styles inclusive of release technique, contemporary ballet, and Bodiography technique.

Credit Type	**Fixed**
Credits	**3**

PART 2009: SO POINTE/PAS DE DEUX

This course is designed to develop the artist's knowledge of pointe technique through the emphasis of strength, mechanics, artistry, and precision. The artist will work to demonstrate a clear articulation of the ballet vocabulary via the exact articulation of footwork in each movement as it is accomplished at both the barre and in centre practice. This class also designed to develop the artist's understanding of ballet and contemporary partnering. It will work to define the practices and techniques of shared movement and will encourage the artist to explore and examine how their individual body moves in space with another.

Credit Type	**Fixed**
Credits	**1**

PART 2010: DANCE HISTORY I

Overview of the development of dance in the western world, within the context of the historical, practical, theoretical, and cultural.

Credit Type	**Fixed**
Credits	**3**

PART 2012: SO VARIATIONS/REPERTOIRE

Variations/Repertoire - is a course that explores various notable ballet and contemporary variations. Focusing on ballet technique and performance quality, this course seeks to expand on the student's dance performance knowledge and ability while exposing them to a wide selection of repertoire.

Credit Type	**Fixed**
Credits	**1**

PART 2015: DANCE HISTORY II

An introductory history of the development of dance. Dance will be examined as a form of human expression. Forms of ritual as well as art forms will be analyzed. Ballet, modern and jazz will be emphasized from their beginnings through their evolution to contemporary choreographed styles.

Credit Type	**Fixed**
Credits	**3**

PART 2020: SO MEN'S DANCE TECHNIQUE

This class is designed to develop the male dancer's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and a love of dance. Placement will be determined by previous training and student potential as demonstrated in the audition process. Male students must complete a total of 8 credits in this course.

Credit Type	**Fixed**
Credits	**1**

PART 3000: JR PERFORMANCE

This course is designed to develop the artist's comprehension and execution of various forms of repertoire in an effort to guide the student's body and mind towards an articulate performance. This course is designed to offer the artist an array of dance voices via the recruitment of various guest choreographers to set original works for performance, the rights to learn and perform previously established works by established choreographers, and the opportunity to create and set creative works among the student population.

Credit Type	**Fixed**
Credits	**1**

PART 3002: MUSICAL THEATRE PRODUCTION I

Dance production is a laboratory course providing each student with opportunity for hands-on training in the technical and performing aspects of theater. Each individual will be able to extend and broaden their production and performing experience.

Credit Type	**Fixed**
Credits	**3**

PART 3003: MUSICAL THEATRE PRODUCION II

Dance production is a laboratory course providing each student with opportunity for hands-on training in the technical and performing aspects of theater. Each individual will be able to extend and broaden their production and performing experience.

Credit Type	**Fixed**
Credits	**3**

PART 3004: JR BALLET TECHNIQUES

This course is designed to develop the artist's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and precision. The artist will work to demonstrate a clear articulation of the French ballet vocabulary, the direct translation of the vocabulary into English, and the exact articulation of each movement as it is accomplished at both the barre and in centre practice.

Credit Type	**Fixed**
Credits	**3**

PART 3005: JR CONTEMPORARY/MODERN

This class is designed to develop the artist's use of space, emotion, mood, and the deliberate use of gravity. This course will focus on traditional modern dance techniques such as Graham, Lewitsky, and Cunningham technique in addition to contemporary dance styles inclusive of release technique, contemporary ballet, and Bodiography technique.

Credit Type	**Fixed**
Credits	**3**

PART 3009: JR POINTE/PAS DE DEUX

This course is designed to develop the artist's knowledge of pointe technique through the emphasis of strength, mechanics, artistry, and precision. The artist will work to demonstrate a clear articulation of the ballet vocabulary via the exact articulation of footwork in each movement as it is accomplished at both the barre and in centre practice. This class also designed to develop the artist's understanding of ballet and contemporary partnering. It will work to define the practices and techniques of shared movement and will encourage the artist to explore and examine how their individual body moves in space with another.

Credit Type	**Fixed**
Credits	**1**

PART 3012: JR VARIATIONS/REPERTOIRE

Variations/Repertoire - is a course that explores various notable ballet and contemporary variations. Focusing on ballet technique and performance quality, this course seeks to expand on the student's dance performance knowledge and ability while exposing them to a wide selection of repertoire.

Credit Type	**Fixed**
Credits	**1**

PART 3015: DANCE PEDAGOGY I

This course is an overview of dance teaching as a profession including requirements, challenges, and opportunities. Includes 10 hours of clinical laboratory experiences, directed observations, and limited participation in classroom settings. The material covered in this course equips the teaching candidate with a basis for forming a personal teaching philosophy and methods in its practical application to dance technique classes in a variety of teaching settings.

Credit Type	**Fixed**
Credits	**3**

PART 3020: JR MEN'S DANCE TECH

This class is designed to develop the male dancer's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and a love of dance. Placement will be determined by previous training and student potential as demonstrated in the audition process. Male students must complete a total of 8 credits in this course.

Credit Type	**Fixed**
Credits	**1**

PART 3030: DANCE COMPOSITION I

Dance composition is a comprehensive study, navigation, and connection of choreographic structures to create a unified work of choreography that is prepared for performance. All movement language is taken from the techniques of ballet, contemporary, jazz, hip hop, folk, religious, and pedestrian movement.

Credit Type	**Fixed**
Credits	**3**

PART 3050: SPECIAL TOPICS - TAP

Pilates emphasizes the balanced development of the body through core strength, flexibility, and awareness in order to support efficient, graceful movement. Pilates is about lengthening and strengthening your muscles, leading to increased strength and improved flexibility. Each exercise movement flows smoothly into the next, encouraging the body to learn and remember new ways of movement and being, a mind-body connection.ed.

Credit Type	**Fixed**
Credits	**1**

PART 4000: SR PERFORMANCE

This course is designed to develop the artist's comprehension and execution of various forms of repertoire in an effort to guide the student's body and mind towards an articulate performance. This course is designed to offer the artist an array of dance voices via the recruitment of various guest choreographers to set original works for performance, the rights to learn and perform previously established works by established choreographers, and the opportunity to create and set creative works among the student population.

Credit Type	**Fixed**
Credits	**1**

PART 4004: SR BALLET TECHNIQUES

This course is designed to develop the artist's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and precision. The artist will work to demonstrate a clear articulation of the French ballet vocabulary, the direct translation of the vocabulary into English, and the exact articulation of each movement as it is accomplished at both the barre and in centre practice.

Credit Type	**Fixed**
Credits	**3**

PART 4005: SR CONTEMPORARY/MODERN

This class is designed to develop the artist's use of space, emotion, mood, and the deliberate use of gravity. This course will focus on traditional modern dance techniques such as Graham, Lewitsky, and Cunningham technique in addition to contemporary dance styles inclusive of release technique, contemporary ballet, and Bodiography technique.

Credit Type	**Fixed**
Credits	**3**

PART 4009: SR POINTE/PAS DE DEUX

This course is designed to develop the artist's knowledge of pointe technique through the emphasis of strength, mechanics, artistry, and precision. The artist will work to demonstrate a clear articulation of the ballet vocabulary via the exact articulation of footwork in each movement as it is accomplished at both the barre and in centre practice. This class also designed to develop the artist's understanding of ballet and contemporary partnering. It will work to define the practices and techniques of shared movement and will encourage the artist to explore and examine how their individual body moves in space with another.

Credit Type	**Fixed**
Credits	**1**

PART 4012: SR VARIATIONS/REPERTOIRE

Variations/Repertoire - is a course that explores various notable ballet and contemporary variations. Focusing on ballet technique and performance quality, this course seeks to expand on the student's dance performance knowledge and ability while exposing them to a wide selection of repertoire.

Credit Type	**Fixed**
Credits	**1**

PART 4020: SR MEN'S DANCE TECH

This class is designed to develop the male dancer's knowledge of ballet technique through the emphasis of style, musicality, sensitivity, and a love of dance. Placement will be determined by previous training and student potential as demonstrated in the audition process. Male students must complete a total of 8 credits in this course.

Credit Type	**Fixed**
Credits	**1**

PART 4030: DANCE COMPOSITION II

Dance composition II is a comprehensive development and departure from the studies of choreographic development in the preliminary composition course. This course is primarily focused on the creation of a larger group work and the presentation of that work without utilizing oneself as a key-performing participant.

Credit Type	**Fixed**
Credits	**3**

PART 4051: INTERNSHIP I @

The internship gives students an opportunity to study dance in a professional setting.

Credit Type	**Variable**
Credits	**1-6**

PART 4055: SENIOR SEMINAR IN PER ARTS/DANCE

An exploration of current trends, innovation and developments in dance in a seminar format. Students will discuss, compare and analyze ideas generated by assigned readings, as well as their work on capstone projects.

Credit Type	**Fixed**
Credits	**3**

PHIL 1018: UNDERSTANDINGS OF THE

This course is a basic introduction to the discipline of Philosophy. Taking a cultural and historical perspective, the course will examine the questions surrounding the nature of the human person, as articulated by various philosophers of the Western European tradition, and how particular understandings of the human person are reflected in diverse modes of action in the world with others. (SLRS)

Credit Type	**Fixed**
Credits	**3**

PHIL 1020: LOGIC

This course is designed to help the student understand the methods and principles necessary for correct reasoning. The correct use of reason is indispensable for written and spoken communication. The course deals with language and its uses, fallacies, propositions, syllogisms, inference, probability and scientific hypothesis.

Credit Type	**Fixed**
Credits	**3**

PHIL 1021: INTRO TO PHILOSOPHY

This is a survey course that presents the principal philosophical problems, questions, and systems. Consideration is given to representative schools of philosophy, especially the foundational teachings in Plato and Aristotle. The relationship of philosophy to other disciplines, arts and sciences is examined. (SLRS)

Credit Type	**Fixed**
Credits	**3**

PHIL 2026: ETHICS (SLRS)

On what basis are the problems of an ethical or moral nature resolved? What is the "good" for humankind? What are the criteria by which human action may be determined? Are the answers found in god, nature, human experience (broadly speaking) or in human reason alone? The students learn to apply practical ethical techniques to psychological and social dimensions of the work place.

Credit Type	**Fixed**
Credits	**3**

PHIL 2026H: ETHICS - HONORS

On what basis are the problems of an ethical or moral nature resolved? What is the "good" for humankind? What are the criteria by which human action may be determined? Are the answers found in god, nature, human experience (broadly speaking) or in human reason alone? The students learn to apply practical ethical techniques to psychological and social dimensions of the work place. Honors Institute Course.

Credit Type	**Fixed**
Credits	**3**

PHIL 3027: BIOMEDICAL ETHICS

The course addresses significant ethical issues and controversies that occur in the health professions. Students are not encouraged to adopt any particular ethical position or view but rather gain an ability to review and analyze the reasons that support various norms and opinions in this field.

Credit Type	**Fixed**
Credits	**3**

PHYS 1006: INTRO TO PHYSICAL SCIENCE -

This course is designed for anyone interested in experiencing first-hand the process of the scientific inquiry and modern concepts of physics. In this process students and the professor will pose investigable questions about some physical phenomena which you observe every day. Students will then observe and/or conducts hand-on experiments to develop an understanding of these physical concepts. Each student will report what he/she learned from the class. (SLSC)

Credit Type	**Fixed**
Credits	**3**

PHYS 1010: PHYSICS FOR HEALTH SCIENCE

PREREQUISITE: MATH1010 This course is designed to provide a broad background in physics for those who will enter the allied health professions. Applications will be made to the biological and physiological sciences, as well as to the various types of equipment. Lecture and laboratory course.

Credit Type	**Fixed**
Credits	**3**

PHYS 1010L: PHYSICS FOR HEALTH SCIENCE - LAB

Laboratory for PHYS1010 Physics for Health Science

Credit Type	**Fixed**
Credits	**1**

PHYS 1032: GENERAL PHYSICS I

PREREQUISITE: MATH1032 This is the first of a three-semester introduction to calculus-based physics stressing experimental and problem-solving techniques. Concepts covered are mechanics, kinematics, Newton's laws of motion, conservation laws, rotational motion, gravitation, oscillation, and wave/ acoustics.

Credit Type	**Fixed**
Credits	**3**

PHYS 1032L: GENERAL PHYSICS I - LAB

PREREQUISITE: MATH1032 Laboratory for PHYS1032 General Physics I

Credit Type	**Fixed**
Credits	**1**

PHYS 1033: GENERAL PHYSICS II

PREREQUISITE: PHYS1032 The second of a three-semester introduction to calculus-based physics. Concepts covered are thermal properties and electromagnetism: thermo dynamics, electricity, magnetism, electromagnetic wave, geometrical optics, and physics optics.

Credit Type	**Fixed**
Credits	**3**

PHYS 1033L: GENERAL PHYSICS II - LAB

Laboratory for PHYS1033 General Physics II

Credit Type	**Fixed**
Credits	**1**

PHYS 2030: GENERAL PHYSICS III

PREREQUISITE: PHYS1033 The third of a three-semester introduction to calculus-based physics. This course is devoted to the study of the two great theories that underlie almost all of modern physics, quantum theory and relativity theory. There is an emphasis on quantum mechanical description of semiconductor physics, which forms our modern electronics age (computers and electronic communication devices in general). A series of laboratory projects enables the student to retrace experimentally the development of modern physics.

Credit Type	**Fixed**
Credits	**3**

PHYS 2030L: GENERAL PHYSICS III - LAB

PREREQUISITE: PHYS1033L Laboratory for PHYS2030 General Physics III

Credit Type	**Fixed**
Credits	**1**

PHYS 2080: ANALOG ELECTRONICS

An introductory course of electronics. Students will learn the fundamental principles of electronics circuits while engaging in various laboratory projects using electronic components such as passive devices and integrated circuit chips. Topics to be studied include basic circuit theory, diode applications, Bipolar and Filed Effect transistors, operational amplifiers, and basic TTL gates. This course will provide students with both theoretical and practical knowledge necessary to start understanding of computers and data communication devices.

Credit Type	**Fixed**
Credits	**3**

PHYS 2080L: ANALOG ELECTRONICS - LAB

Lab for PHYS2080 Analog Electronics

Credit Type	**Fixed**
Credits	**1**

PHYS 3075: COMPUTATIONAL PHYSICS

This course will focus on analyzing problems of physics with numerical methods and simulation techniques. Various problems are selected from Classical Mechanics, Electromagnetism, Thermal/Statistical Physics, and Quantum Mechanics. It will provide students with additional computational skill and knowledge necessary for analyzing various models and simulations of physics and other disciplines.

Credit Type	**Fixed**
Credits	**3**

PHYS 3080: DIGITAL ELECTRONICS

This is an intermediate digital electronics and focuses on the study of computer architecture, and digital signal processing technology. It will provide students with the working knowledge necessary for understanding in computer science and telecommunication technologies. Students will learn practical digital circuits while conducting practical laboratory projects. Typical digital integrated circuits and digital/analog interface chips will be used for designing and constructing a prototype computer, interfaces, and digital signal processing circuits.

Credit Type	**Fixed**
Credits	**3**

PHYS 3080L: DIGITAL ELECTRONICS - LAB

Lab for PHYS3080 Digital Electronics

Credit Type	**Fixed**
Credits	**1**

PHYS 3082: ELECTRONICS COMMUNICATION

This course will present the fundamental technology of wireless and cable telecommunications. Students will become familiar with modulation/demodulation and noise reduction for high-fidelity electronic and data communications. They will also learn advanced data communication technologies such as digital broadband technology. Transition from electronics (application of electrons) to photonics (application of lights and photons) is also presented. Hands-on laboratory projects will be conducted in connection with the basic hardware of telecommunication not covered in PHYS2080 Analog Electronics and PHYS 3080 Digital Electronics.

Credit Type	**Fixed**
Credits	**3**

PHYS 3082L: ELECTRONIC COMMUNICATION

Lab for PHYS3082 Electronic Communication

Credit Type	**Fixed**
Credits	**1**

PHYS 4075: PHYSICS OF INFORMATION THEORY

This course will offer fundamental concepts of physics that forms information and computation theories. The first part of this course is an overview of information theory. The concept of entropy and negative entropy in Thermodynamics and Information will be discussed. Then, noise in electric communication will be treated as a stochastic process. The second part of this course is an introduction to quantum computation and information. Mathematical background of quantum mechanics will be overviewed for the theoretical background of quantum computation/information. Experimental feasibility will be also discussed with recent development. It will provide students with fundamental knowledge of classical and quantum computation/information.

Credit Type	**Fixed**
Credits	**3**

PHYS 4080: INSTRUMENTAL PHYSICS

In this course, students will learn how to design and construct test and measurement instruments. They will design, construct various hands-on apparatuses and conduct measurements with their own instruments in the laboratory session. Students will also learn basic knowledge of design and construction of computer-based data acquisition systems and virtual instruments, emphasizing the application of microelectronics for controlling processes and systems. The integration of microprocessors with sensors/actuators and the use of digital device interface are central to these applications. In addition, typical computer network application of laboratory will be overviewed.

Credit Type	**Fixed**
Credits	**3**

PHYS 4080L: INSTRUMENTAL PHYSICS - LAB

Design, construct various hands-on apparatuses and conduct measurements with their own instruments in the laboratory session

Credit Type	**Fixed**
Credits	**1**

POLI 1003: Understanding the U.S. Constitution

POLI 1022: AMERICAN GOVERNMENT

This course introduces students to the major American political institutions, the way in which the houses of Congress function, and the Presidency while also analyzing civil liberties, constitutional rights, policy-making, social policy issues, the role of political parties, the electoral process, the political role of the media, and foreign policy debates.

Credit Type	**Fixed**
Credits	**3**

POLI 2001: GLOBAL POLITICS (INST2001)

This is an introductory course in the field of international relations, providing an overview of major theories and concepts of international relations and an historical background for contemporary world politics. Major topics include the contemporary international system, economic development, foreign policy behavior, international conflicts and international institutions. Cross-listed with INST2001

Credit Type	**Fixed**
Credits	**3**

POLI 2002: MULTICULTURAL HISTORY OF THE U.S.

In this course we examine the history of different ethnic and racial immigrants in the United States; the process of ethnic assimilation into American culture; and how different groups and races have been treated by the U.S. government. In addition, we examine the reasons that different ethnic and racial groups departed their own countries to emigrate here; and recent immigration experiences and changes in U.S. immigration policies. Cross-listed with HIST2002

Credit Type	**Fixed**
Credits	**3**

POLI 2025: SPECIAL TOPICS IN POLITICAL

The Vietnam War: This course focuses on the multiple political aspects of The Vietnam War: historical context; leadership choices; the global context; the Cold War; presidential decision-making and Cabinet debates; the armed forces and battlefield successes and failures; the importance of the media; as well as the rise of the anti-war and civil rights movements and their impact on Congress and the White House. Requirements: readings; exams; discussions.

Credit Type	**Fixed**
Credits	**3**

POLI 2045: ISLAM IN THE WORLD

In this course, the basic beliefs of Islam are reviewed, along with a brief history of Islam's overall development and its impact on the world and on various civilizations in different global regions. Islam's internal sects are analyzed, and its political impact on current politics in the world is explored. The role of U.S. foreign policy in dealing with the recent rise of Islam is also analyzed. Cross-listed with HIST/SOCL2045

Credit Type	**Fixed**
Credits	**3**

POLI 2075: PUBLIC POLICY

In this course we study basic concepts and practices of the public policy process, from policy formulation to decision-making and implementation of policies by the government. The United States federal government is the major focus of inquiry although other governments may be referenced. This course is especially appropriate for those interested in knowing how a policy is created and how to analyze government policies.

Credit Type	**Fixed**
Credits	**3**

POLI 3002: HISTORY OF EUROPEAN DIPLOMACY

The internationally accepted style of diplomacy had its origins in Italy in the late 1400's. Emphasis is placed on the mechanisms of diplomacy as well as its use by European powers: classical diplomacy in the 19th century and the impact of that system on other areas of the globe. The decline of European syle diplomacy in the World War/Cold War era is described. Cross-listed with HIST3002

Credit Type	**Fixed**
Credits	**3**

POLI 3005: Constitutional Law

Credits	**3**

POLI 3011: RESEARCH METHODS

This course introduces the student to the design of explanatory models in political science and more commonly used quantitative and qualitative analytical techniques in doing political science research.

Credit Type	**Fixed**
Credits	**3**

POLI 3015: HISTORY/POLITICAL THOUGHT

In this course we inquire into the origins, evolution and development of political philosophies, focusing on the theories that have shaped Western political thought from ancient times to the present day. Key concepts in Western political thought such as liberty, justice, morality, political rights, and democracy are examined. Students will also be asked to create their own political theories. Students will learn the genesis of political thought over the past 2,000 years, how to critically assess these theories, and how to create their own theories. Cross-listed with HIST3015.

Credit Type	**Fixed**
Credits	**3**

POLI 3019: HISTORY AND POLITICS OF AFRICA

This course covers the key episodes in the history of Africa from pre-colonial times, through the colonial and post-colonial periods. We examine ancient kingdoms, stateless societies, inter-cultural exchanges, ethnicity, empire-creation and state-building. British, French, Belgian, Dutch and Portuguese colonial systems in Africa are then analyzed. We proceed to look at the anti-colonial independence movements, economic development in post-colonial Africa, post-colonial state-building and political changes in present-day Africa.

Credit Type	**Fixed**
Credits	**3**

POLI 3021: COMPARATIVE GOVERNMENT

This course focuses on the government, policies and politics of different nation-states around the world, and investigates the political science approaches to studying government and politics in various areas of the world. The focus in not only on forms of governments, but also the major political and social factors that affect political change in different world areas, the relationship between states and societies, and the comparative study of democratic and non-democratic nations. Cross-listed with INST3021

Credit Type	**Fixed**
Credits	**3**

POLI 3022: STATE & LOCAL POLITICS

This course focuses on the two subnational levels of government - states and localities - which have the greatest impact on the lives of ordinary Americans. Policies determined by the fifty state governments and by the thousands of local (urban) goverments include the management of traffic lights, streets and highways, water and sewer services, K-12 education, higher education, parks, mass transit, law enforcement, environmental preservation, industrial regulation, and many other public services. At the same time, political discord and electoral outcomes at the state and local levels often have real-world consequences for our freedoms and our economic opportunities.

Credit Type	**Fixed**
Credits	**3**

POLI 3023: MODERN U.S. DIPLOMATIC HISTORY

This course presents a study of the major developments in American diplomatic history. Special emphasis is placed on the years from World War II until the present. Major international developments and their effects on American diplomacy are discussed along with the impact of various presidents and the influence of the United Nations. The interrelation between foreign policy and domestic opinion is also examined. Cross-listed with HIST/INST3023

Credit Type	**Fixed**
Credits	**3**

POLI 3025: DEVELOPMENT: POLITICAL, SOCIAL

A study of the political, social, and economic realities of Latin America, Asia, and Africa. Emphasis is placed on ecological, racial, ethnic, and population problems, as well as on the legacy of colonialism, developmentalism, and dependency. Human rights and special problems of women will also be addressed. Cross-listed with INST3025

Credit Type	**Fixed**
Credits	**3**

POLI 3030: COMPARING DEMOCRACIES

This course provides a deep examination of the workings of different democratic political systems in various parts of the world. Ranging from presidentially dominant to parliament-dominant, from low electoral turnout to mandatory universal voting, this course will reveal the impressive distinctions among the world's democracies. This course will also make clear the crucial role of political culture of values in fortifying democracies. We also examine how to consolidate weak democracies, as well as studying the rise of 'hybrid democracies' and mixed democratic-autocratic systems of government. Requirements include class participation, exams, research papers, on-line discussion board participation, and library research.

Credit Type	**Fixed**
Credits	**3**

POLI 3032: COMPARATIVE PUBLIC POLICY

This course is an introduction to the formation and dissemination of public policy in various countries around the world. We examines the means by which political, economic, and social issues are addressed by governments. The impact of public policy decision-making is critically evaluated and compared among countries.

Credit Type	**Fixed**
Credits	**3**

POLI 3033: AMERICAN FOREIGN POLICY

The reasons behind the foreign policy decisions of the U.S. government in recent decades are examined; different theories are explored for explaining shifts and continuities in foreign policy decision-making. Contemporary challenges to American foreign policy, from Iraq and Iran to Afghanistan, Syria and the Middle East are analyzed. Cross-listed with INST3033

Credit Type	**Fixed**
Credits	**3**

POLI 3035: HISTORY AND POLITICS OF FRANCE

We intend for students to obtain a significant deepening of their understanding of the chronological timeline of French history, and to advance their critical thinking skills regarding the analysis of key French historical events and social processes (History program Learning Objectives #1 Chronological Thinking and #6 Contextual Comprehension). At the same time, we intend for students to demonstrate an understanding of comparative political institutions (Political Science Learning Objective #10) with particular respect to the French executive and parliamentary branches; of political parties (Political Science Learning Objective #2) with particular respect to changes over the past half-century in the leading French political parties; as well as demonstrating a greater understanding of the role of elections in democracies (Political Science Learning Objective #11), here with respect to recent French electoral events such as the 2017 presidential election.

Credit Type	**Fixed**
Credits	**3**

POLI 3036: HIST OF AMERICAN VALUES, BELIEFS

In this course we explore the central values, beliefs and ideas that have helped to both shape and reflect the changing history of the United States. Special attention is paid to how particularly important values and ideas reflected certain time periods in American history, and helped to make this country unique. America's values and beliefs evolved both from social changes and grassroots political movements as well as from its leaders and influential thinkers. Contemporary ideas and values in America are provided considerable attention. Cross-listed with HIST3036

Credit Type	**Fixed**
Credits	**3**

POLI 3037: THE AMERICAN PRESIDENCY

In this course we compare and contrast different U.S. presidents though the history of the country, survey the strengths and weaknesses of different presidents, while analyzing the overall challenges to serving effectively as president. The role of the electoral college is examined with regard to the complexities of campaigning for and successfully competing in U.S. presidental elections, especially the upcoming election and the most recent election.

Credit Type	**Fixed**
Credits	**3**

POLI 3038: HISTORY OF BLACK AMERICANS

A history of the experience of Black Americans from their origins in West Africa to contemporary times. Emphasis is given to the various systems of slavery in America; the impact of slavery on American society; emancipation and reconstruction; contributions of Black Americans and self-help; Black Americans in war and the Civil Rights Movement of the 1960's and 1970's. Cross-listed with HIST3038

Credit Type	**Fixed**
Credits	**3**

POLI 3039: POLITICS AND SOCIETY (SOCL3039)

The course is designed to familiarize the student with the social bases of political power. Politics is viewed as a process in relation to the social and economic structures, which influence its direction. A consideration of the effects which politics has on these structures is also offered. A detailed analysis of the primacy of politics in the 20th century is included. Cross-listed with SOCL3039

Credit Type	**Fixed**
Credits	**3**

POLI 3040: ETHNIC CONFLICT (SOCL3040)

In this course we examine why ethnic groups sometimes get along very well, but other times engage in conflict. We query: What are the political and social origins of ethnic conflicts in various parts of the world? Do ethnic conflicts differ in different world regions? What national and international policies encourage ethnic conflict? How can we encourage ethnic groups to pursue peaceful accommodations?Cross-listed with SOCL3040

Credit Type	**Fixed**
Credits	**3**

POLI 3041: TERRORISM IN THE MODERN AGE

This course explores the global political context which gives rise to terrorist groups and movements, while also differentiating between authentic terrorist movements and those which are radical but not terrorist. Emphasis is on the historical and contemporary evolution of terrorist movements, the reasons for their emergence, and the current status of present-day terrorist groups and movements.

Credit Type	**Fixed**
Credits	**3**

POLI 3042: THE CIVIL WAR (HIST3042)

This course begins by addressing the social, economic, racial and political factors that lead up and result in the Civil War. The political and military leaderships and decision-making on both sides of the Civil War constitute a major portion of the course. In addition, students will how military strategies shifted continuously throughout the war, and crucial battles will be accorded substantial attention. Micro-level aspects of battlefield experiences – by the soldiers themselves, observers, the journals of military generals, health care in the field of battle – are discussed throughout the course. Race relations within the U.S. army and the role of African-Americans as soldiers will also be an important topic of analysis. The particular role of President Lincoln both as Commander in Chief and in his civilian role as the nation's chief executive will be given a particular focus. The social and political importance of the Gettysburg Address and of the submission of the 13th Amendment to Congress both will receive extended analysis, along with attention to the broader social, political and economic implications of the war. Student requirements include assigned readings; journal entries; videos/film; class participation; discussion board participation; exams; research papers.

Credit Type	**Fixed**
Credits	**3**

POLI 3045: HISTORY AND POLITICS OF MID EAST

This course explores the peoples and history of the Middle East, from ancient times, including a procession of impressive empires, until their eventual domination by the Ottomans and finally, by British Empire. We investigate the accommodation of the British to Middle Eastern kingships and the impact of colonial state-building. We proceed to examine the establishment of the state of Israel and the evolution of Palestinian-Israeli relations over past half a century. Cross-listed with HIST3045

Credit Type	**Fixed**
Credits	**3**

POLI 3047: JEWISH HISTORY AND POLITICS

This course will begin with the Abrahamic and Moses legends, and proceed to analyze the territorial histories of the 12 tribes of Israel and Judea in ancient times; the creation of Reform-Orthodox divisions initiated by the Greek invasions of ancient Israel; the great migration waves to the north, east and west during the Syrian and Roman conquest periods and again during the Middle Ages; the Khazar kingdom; the emergence of Yiddish-speaking culture throughout eastern and western Europe; Jewish impacts on European labor movements; the rise of the modern Secular, Reform, Conservative and Ultra-Orthodox Jewish movements; Russian pogroms and Jewish emigration to the Americas; the Holocaust and a lost civilization; Zionism and the creation of the Israeli state; Jewish unionism in America: the ILGWU; Lox, Gefilte Fish, and Jewish cultural influences (music, musicals, Hollywood, comedy, such asYehudi Menuhin, Itzhak Perlman, Leonard Bernstein, and Ben Sidrin). The special contributions to science, business and politics by Albert Einstein, Henry Kissenger, and Michael Bloomberg. Current Israeli politics and Israel-related controversies. The return of Jewish life to Western Europe. Teaching tools will include textbooks, films/videos, debates, discussions, on-line readings. Student requirements include essays, exams, quizzes, discussion contributions, essays, and research projects. Cross-listed with HIST3047

Credit Type	**Fixed**
Credits	**3**

POLI 3050: POLITICS OF WEAK STATES

In this course, we focus on what leads governments in various parts of the world to weaken over time, leading to economic collapse, social suffering, and the political decay of the nation-state. We examine the causes, the manifestations of state decline, and whether weak states can be strengthened. Student requirements include research papers, exams, and participation.

Credit Type	**Fixed**
Credits	**3**

POLI 3051: DEVELOPMENT IN SOUTHEAST ASIA

This course looks at the history of social, political and economic development of Southeast Asia, excluding Indochina, and focusing primarily on Indonesia, Malaysia, and the Philippines. It will discuss the dependent nature of development of these countries and how such development affects the national historical experiences of these countries. Cross-listed with HIST/SOCL3051

Credit Type	**Fixed**
Credits	**3**

POLI 3052: EXPERIENCE OF MODERN WAR

In this course, the experience of modern war is analyzed as a contemporary political phenomenon with broad political implications for the understanding the relationship between national and international politics, on the one hand, and the actual experience of war, on the other. Contemporary and modern wars are studied from the perspective of the soldier in the field, as well as from the broader perspective of commander decision-making, generals' war strategies, and the global context of war-making. Also taken into account is the impact of war on the inhabitants of war-affected countries; on military veterans; and on the national political system of the countries involved in a war.Cross-listed with HIST3052

Credit Type	**Fixed**
Credits	**3**

POLI 3053: PEASANT POLITICS (HIST3053)

In this course we focus our attention on the history and politics of farmers cultivating small land plots who struggle to hold onto their lands despite legal and illegal efforts by outsiders to take it from them. Peasant political movements and social actions are examined. We also analyze market-based efforts by farmers to increase their income; community efforts to enact new policies aimed at self-protection; food crop-growing, artisanry and other efforts at self-sufficiency; and inter-community 'sharing' economies. At the same time, we examine peasant social movements, local community activism, and recent efforts by peasant actors to link up with global and national non-profit agencies and global institutions. Cross-listed with HIST3053

Credit Type	**Fixed**
Credits	**3**

POLI 3055: TODAY'S GLOBAL WARS

By 'global wars' we refer to wars being fought in various parts of the world that have multi-nation implications. The global 'war against terror' will be closely examined in this course. Global wars also include current wars in Afghanistan, Iraq, Syria, Yemen, Libya, Mali, and Ukraine-Russia. We also examine potential wars such as those involving North Korea; Turkey; and Israel/ Palestine. Throughout the course, students will follow on-going wars in real time, and this will influence in-class events and assignments. The reasons for the start of global wars will be investigated. Student requirements include assignments; projects; tests; quizzes; discussion sessions; real-time web interactions; and discussion board entries.

Credit Type	**Fixed**
Credits	**3**

POLI 3060: NATIVE AMERICAN POLITICS

This course enables students to engage with contemporary Native American political issues and controversies, including the Black Dakota oil pipeline and similar crises on other Native American reservations. The course addresses a broad range of current issues affecting Native American communities, including land control on reservations; interactions with neighboring communities; the role of the federal and state governments; the Bureau of Indian Affairs and its relations with tribal councils; and Native American identity issues. The course will in particular provide significant attention to environmental problems on Native American lands and how indigenous councils try to grapple with these, while taking into account a long history of interventions and/or regulations imposed by the federal and state governments.

Credit Type	**Fixed**
Credits	**3**

POLI 3065: WORLD WAR II (HIST3065)

In this course, students will learn the political, social and economic factors which helped to lead to World War II, including the rise of Nazism, the impact of the Great Depression, the weaknesses of Weimar Germany, political problems in France and Poland, the rise of fascism in Italy. The course then focuses on Germany's invasions of Austria, Poland, and then the rest of Europe, including Russia, and the military resistance to these invasions. In 1941, the U.S. enters the war, and Japan's role expands, which alters the global geo-military strategic map in dramatic ways from that point until the war's conclusion in 1945. Students will learn of political leadership controversies and army decision-making on both sides, and how that affected the outcome of some of the war's most important battles (land, sea and air). Both the Pacific and Euro-Russian fronts will be covered in substantial depth in regard to military strategies, political concerns, and the leadership roles of Churchill, FDR and Stalin. The role of the SS in Germany and conquered European states will be analyzed, as will the rising importance of the concentration camps through the early 1940s and how that led to money and resources being channeled to the Jewish extermination effort instead of to the German army on the war fronts. The impact of the war on global politics will be underlined toward the conclusion of the course. Students will be expected to do extensive readings of scholarly books, articles and original, primary documents, such as letters from military generals and soldiers' letters. Evaluation will be based on quizzes, tests, research papers, as well on-line discussion forums, attendance and in-class participation. Cross-listed with HIST3065

Credit Type	**Fixed**
Credits	**3**

POLI 3070: THE IDEA OF FREEDOM

In this course, we explore the concept of freedom, with a view towards appreciating the idea of individual, social and political freedom from multiple analytical perspectives. We will also investigate how the quest for freedom can help to generate new political systems or changes in existing ones. A key goal of the course is to provoke students' creativity by having to devise their own particularistic notion of freedom, and to try to figure out ways of achieving it. At the same time, it is helpful to survey how the notion of freedom has been defined, used and critiqued by political and social thinkers. We also examine different political systems in an effort to perceive which systems have maximized or encouraged the achievement of freedom (variously defined) and which have minimized or discouraged its realization. And we spend time inquiring into the importance of freedom in the US political system today and how it is being achieved, or how it is being challenged and harmed. Students will be asked to write a series of short assignments in which they begin to develop their own notions of freedom, as well as a longer research paper which explores the potential for realizing their particularized, self-developed notion of freedom. Student evaluation will be based on those assignments and papers as well as on in-class discussion, quizzes and/or exams, and on-line discussion board participation.

Credit Type	**Fixed**
Credits	**3**

POLI 3072: DEMOCRATIC SOCIALISM (HIST3072)

In this course, we will focus on the emergence of Democratic Socialism as a political philosophy that favors a convergence of socially progressive policies with electoral democracy and capitalism. Different political theorists – in France, England, Germany, the U.S. – devised variations on this theme throughout the mid to late 19th century and into the early 20th centuries, and these variations and differing approaches will be analyzed. In addition, the course provides attention to the development of the Democratic Socialist movement in many parts of the world as the 20th century progressed. We will explore the history of this movement as well as suggesting how the political philosophy of Democratic Socialism became modified and contextualized as the movement evolved in practice. And finally, the relatively rapid expansion of the 'Bernista' movement in the U.S. in the 2010s will be analyzed. Student requirements include in-class discussion; tests, exams; essays; research papers; discussion board participation. Cross-listed with HIST3072

Credit Type	**Fixed**
Credits	**3**

POLI 3075: HISTORY OF IRELAND AND

This course examines the history of Ireland (the main focus) and of Scotland, from ancient times through the modern era, and up to the present day. The idea is to present a comprehensive portrait of Irish and Scottish cultures, social and economic developments, political conflicts, and political system changes over time. Students are expected to undertake textbook readings, exams and research paper assignments in addition to engaging in classroom activities. Cross-listed with HIST3075

Credit Type	**Fixed**
Credits	**3**

POLI 3082: SOCIAL MOVEMENT AND RESISTANCE

This course examines the origin, growth, and dynamics of social movements as forms of social protest and resistance against state and global injustices. Discussions include case studies of various social and political groups, non-government organizations, and liberation and revolutionary movements in the U.S. and throughout the world. Cross-listed with SOCL3082

Credit Type	**Fixed**
Credits	**3**

POLI 3085: MARXIST POLITICAL THOUGHT

Marxist Political Thought will mostly focus on the ideas, analyses and proposals contained in the writings of Karl Marx and his successors. Considering the extensive dis-information surrounding this body of knowledge, it is important for students to understand the actual notions of political change that Marx himself discussed before turning to other Marxist political theorists and to the study of Communist political movements. Such thinkers as Lenin, Trotsky, Mao, Guevara, Cabral, Marcuse, 'Danny the Red' and others all played a large role in promoting Communist ideas and actions and it is important to consider their theoretical contributions. Some attention to Communist regimes (the Soviet Union, China, Cuba) will also be paid.

Credit Type	**Fixed**
Credits	**3**

POLI 4000: HISTORY AND POLITICS OF ITALY

This course explores various facets of the general history of Italy from ancient times, through to the Roman Empire, and then on into the modern construction of Italy as a nation-state. The course also delves into recent Italian government and politics. Students will have the opportunity to explore specific research topics in Italian history or politics, such as art, architecture, culture, social life, culinary experiences, personal family histories, comparative urban design, military history, Italian prime ministers, Italian elections, and other topics.

Credit Type	**Fixed**
Credits	**3**

POLI 4051: INTERNSHIP I @

A field experience in selected professional environments. The student is given the opportunity to integrate theoretical knowledge with practical application under the guidance of professionals at the particular institute to which the student is assigned.

Credit Type	**Variable**
Credits	**1-6**

POLI 4055: SENIOR SEMINAR - POLITICAL

A research methodology course that acquaints students with political research methods. Students will synthesize their knowledge of political science through the discussion of the research process and the writing and presentation of a research paper.

Credit Type	**Fixed**
Credits	**3**

POLI 4057: INDEPENDENT STUDY - POLITICAL

Individual study course that is supervised by a full-time faculty member.

Credit Type	**Variable**
Credits	**1-3**

PSED 1003: INTRO TO SPORTS: CONDITIONING I

To develop a general understanding of overall physical conditioning and the means to which this state can be achieved, and provide specific guidance to individual conditioning goals.

Credit Type	**Fixed**
Credits	**1**

PSED 1004: INTRO TO SPORTS: CONDITIONING II

This course focuses on specific areas of physical activity, exercise, health, physical fitness, skill learning and body mechanics. Both men and women students receive instruction on theory and methods of physical activity and exercise in order to develop personal physical exercise programs.

Credit Type	**Fixed**
Credits	**2**

PSED 1005: INTRO TO SPORTS: WEIGHT TRAINING

To develop a general understanding of overall strength training, techniques, and theories.

Credit Type	**Fixed**
Credits	**1**

PSED 1005E: INTRO TO SPORTS: TENNIS

This course introduces the students to the basic fundamentals of the sport of tennis. This course aims to improve basic tennis skills to the student through instruction, demonstration, and execution.

Credit Type	**Fixed**
Credits	**1**

PSED 1005K: AEROBIC DANCE

To develop a general understanding of overall physical conditioning and the means to which this state can be achieved. To show students that working out is fun and that Fitness is for LIFE.

Credit Type	**Fixed**
Credits	**1**

PSED 1005M: SOFTBALL

This course is designed to introduce the student to the basic skills of softball.

Credit Type	**Fixed**
Credits	**1**

PSED 1007: ACAD ORIENTATION VARSITY ATHLETES

This course will introduce students to the rigors of the varsity sport experience. It provides the information that the student needs to understand, organize, plan and thrive in the competitive environment of a collegiate sport program while integrating themselves into the university community. The corner stone of this course is the varsity sport experience itself. Under the tutelage of our coaches, these student-athletes will learn how to prepare for and engage in physical and psychological contests of the highest order. In addition to engagement with the finest physiological training students are taught to work collaboratively in small and large groups to solve complex movement problems. Critical thinking is stressed as students negotiate the complex real world problem of being a student athlete in a collegiate athletic program. Social behavior, community, and scholarly conduct are continually addressed as the student-athletes attempt to integrate themselves into the University and local community.

Credit Type	**Fixed**
Credits	**3**

PSED 1008: INTRO TO FITNESS/SPORTS: PILATES

Pilates emphasizes the balanced development of the body through core strength, flexibility, and awareness in order to support efficient, graceful movement. It is about lengthening and strengthening your muscles, leading to increased strength and improved flexibility. Each exercise movement flows smoothly into the next, encouraging the body to learn and remember new ways of movement and being, a mind-body connection.

Credit Type	**Fixed**
Credits	**1**

PSED 1009: MEDITATION

Meditation uses breath work, concentration, and positive affirmations to elicit the relaxation response. Students will practice various meditative techniques and learn the many benefits and positive outcomes of meditation as a practice.

Credit Type	**Fixed**
Credits	**1**

PSED 1011: INTRO TO FITNESS/SPORTS: TURBO

Turbo Kick is a combination of intense kickboxing moves and fun dancing. These two types of cardiovascular exercise are choreographed to high energy and motivating music. The blending of intense cardio, muscle toning, as well as cool downs come together for the ultimate workout. Turbo Kick requires no previous experience.

Credit Type	**Fixed**
Credits	**1**

PSED 1014: INTRO TO FITNESS/SPORTS: YOGA

Promote fitness and healthy living by introducing students to new sports and fitness activities. The actual sport or fitness type will change regularly. Yoga is the union occurring between the mind, body and spirit. Yoga is about creating balance in the body through developing both strength and flexibility. This is done through the performance of poses or postures, each of which has specific physical benefits. The poses can be done quickly in succession, creating heat in the body through movement or more slowly to increase stamina and perfect the alignment of the pose.

Credit Type	**Fixed**
Credits	**1**

PSED 1016: INTRO TO FITNESS/SPORTS: HIGH

High intensity interval training involving sequences of plyometric, strength, power, and resistance drills, as well as abdominal and core exercises. This course promotes fitness and healthy living by introducing interval training to students of all abilities by offering modified and advanced moves when needed.

Credit Type	**Fixed**
Credits	**1**

PSED 1018: INTRO TO FITNESS/SPORTS:

An introductory course to promote fitness and healthy living by introducing students to running and distance training.

Credit Type	**Fixed**
Credits	**1**

PSED 1020: INTRO TO FITNESS/SPORTS:

Kickboxing focuses on training involving kicking, punching, practical self-defense, cardiovascular conditioning, and muscle strength exercises. This course promotes fitness and healthy living by introducing a type of martial arts to students of all abilities by offering modified and advanced moves when needed.

Credit Type	**Fixed**
Credits	**1**

PSED 1022: INTRO TO FITNESS/SPORTS:

Cardio Core is a metabolic conditioning class that incorporates high intensity cardio intervals and core exercises. Specific muscle-defining moves and equipment will be utilized to build endurance, flexibility, strength and balance. This course promotes fitness and healthy living by introducing varied abdominal, lower back and cardio exercises to students of all abilities and offering modified and advanced versions of exercises when needed.

Credit Type	**Fixed**
Credits	**1**

PSED 4057: INDEPENDENT STUDY - PHYSICAL

Independent study is an accelerated program for superior students in the division of natural and mathematical sciences. It is intended to allow a student to pursue an independent study in conjunction with a divisional faculty member. To be eligible for independent study the student must comply with all appropriate college policies.

Credit Type	**Fixed**
Credits	**1-3**

PSYC 1001: WELLNESS AND RESILIENCE FOR

College is an exciting and stressful time for everyone. The increased freedom and independence are both exciting and daunting, leading many students to struggle in new ways or with emotions that seem to have increased in intensity. Conversely, research has shown that individuals who develop and use resilience strategies and emotion regulation skills (such as opposite action, relaxation strategies, mindfulness, and practicing gratitude) as well as build positive routines (for example, good eating and sleep habits, daily exercising, scheduling fun activities) are more likely to be effective in their job roles, involved in strong relationships, physically and mentally healthy, and satisfied with their lives overall. The purpose of this course is to teach undergraduate students skills for having resilience in the face of commonly experienced stressors and difficulties. Stated simply, resilience is the ability to both survive and thrive. Resilience is not only about your ability to positively adapt in the face of adverse or challenging circumstances (that is, survive), but it is also about learning the positive skills, strategies and routines that enable you to live a happy, fulfilling, and successful life (in other words, thrive). This course will provide you with a personalized set of strategies and skills for self-care and optimize your academic and socialexperiences while at La Roche University and beyond. By the end of this course, you will have knowledge and skills that you can apply to your life now and in the future. This course will use lectures, readings, videos, discussion forums, practice exercises, and coaching to assist and encourage you in meeting the course objectives while developing your more resilient and skillful self.

Credit Type	**Fixed**
Credits	**3**

PSYC 1021: INTRO TO PSYCHOLOGY

This survey course introduces students to several critical areas of psychology. Throughout the course, there is an emphasis on the scientific method, its application to psychology, and the insights gained from scientific research. The interactions among biological processes, cognitive and emotional responses, sociocultural forces, and behavior are examined. Included are such diverse topics as: health, stress, and coping; consciousness, sleep and dreams; effects of psychoactive drugs on behavior and health; psychological disorders; social psychology; types of learning and behavior management, information processing approaches including memory, encoding and retrieval; and the relationship of the nervous system to thought, feelings, and behaviors.

Credit Type	**Fixed**
Credits	**3**

PSYC 1021H: INTRO TO PSYCHOLOGY - HONORS

This survey course introduces all the major areas of psychology, from its origins in the fusing of medicine and biology with philosophical questions about the nature of the human mind through the emphasis on psychology as the science of behavior and mental processes. Included are such diverse topics as: health, stress, and coping; consciousness, sleep and dreams; effects of psychoactive drugs on behavior and health; psychopathology; social psychology; hypnosis; types of learning and behavior management, information processing approaches including memory, encoding and retrieval; and the relationship of the nervous system to thought, feelings, and behaviors. Multiple activities and research projects allow students to experience psychology "up close and personal".

Credit Type	**Fixed**
Credits	**3**

PSYC 2010: CAREER AND PROFESSIONAL

The purpose of this course is to facilitate success within the psychology major and to prepare students for upper level courses as well as transition from college to a career and/or graduate school. Prereq: PSYC1021

Credit Type	**Fixed**
Credits	**3**

PSYC 2015: HEALTH PSYCHOLOGY

PREREQUISITE: PSYC1021 OR PSYC1021H This course explores psychological contributions to physical health and illness enhancement of physical health and the understanding and control of psychological processes that undermine health are addressed from theoretical and applied perspectives. Topics include the psychology of stress, pain, illness and treatment, and addictive lifestyle behaviors such as drinking and smoking.

Credit Type	**Fixed**
Credits	**3**

PSYC 2018: HUMAN SEXUALITY

PREREQUISITE: PSYC1021 OR PSYC1021H This course explores adult human sexuality from multiple perspectives: biological bases, roles of gender, cultural influences, and historical foundations. Topics include the exploration of healthy sexual activity, conception and pregnancy. Sexual problems will be addressed as well, covering such topics as sexual dysfunction, sexually transmitted diseases, sexual exploitation.

Credit Type	**Fixed**
Credits	**3**

PSYC 2022: CHILD DEVELOPMENT

PREREQUISITE: PSYC1021 OR PSYC1021H This course provides students with a comprehensive introduction to the field of developmental science with emphasis on the period from conception through middle childhood. The course approaches development by making use of both historical and contemporary scientific theory and investigates the major domains of development--biological, cognitive, social and emotional-from a chronological perspective.

Credit Type	**Fixed**
Credits	**3**

PSYC 2036: PSYCHOLOGY AND HUMOR

Psychology and Humor introduces students to the content area and measurement and research issues on the topic of humor. Thematic use of material from the study of humor is used to illustrate many of the basic discipline areas of psychology, including understanding of theory, research methods, testing, personality, cognition, and development.

Credit Type	**Fixed**
Credits	**3**

PSYC 2040: ADOLESCENT DEVELOPMENT

PREREQUISITE: PSYC1021 OR PSYC1021H This course is designed to provide an overview of the physical, cognitive, social, and emotional developmental changes occurring during adolescence. Attention will be given to the contexts in which development occurs: the family, school, and peer group-as well as psychological changes in identity, autonomy, and intimacy. Psychological disorders that manifest during adolescence will be examined.

Credit Type	**Fixed**
Credits	**3**

PSYC 2050: SPECIAL TOPICS IN PSYCHOLOGY:

The course was designed as an introduction to the wellness model using Counseling theories to assist students in developing personal wellness strategies. Using current research, students will explore decision-making models looking at ethical, theoretical, multicultural, and practical concerns and skills in development of their own wellness strategies.

Credit Type	**Fixed**
Credits	**3**

PSYC 2061: EDUCATIONAL PSYCHOLOGY

PREREQUISITE: PSYC1021 OR PSYC1021H This course provides an introduction to educational psychology, the science of learning and teaching. Students will be exposed to the research methods used in psychological science, theoretical approaches to cognitive development and learning, and applications of those theories to understanding student behavior in the context of the school environment.

Credit Type	**Fixed**
Credits	**3**

PSYC 2065: FORENSIC PSYCHOLOGY

PREREQUISITE: PSYC1021 The course provides the student with a general introduction to the practice of forensic psychology. The field addresses ways in which experts in psychological science contribute to the legal system. Potential topics include eyewitness memory, the insanity defense, child custody, lie detection, criminal profiling, violent crime, and more.

Credit Type	**Fixed**
Credits	**3**

PSYC 3011: RESEARCH METHODS IN PSYCHOLOGY

PREREQUISITE: ENGL2030 and MATH1040 --or--CRIM2012 This course examines the major experimental designs and methods of scientific psychology. The nature of psychology as a science, types of and evaluation of research design and conclusions, conducting of research, preparation of research papers and ethics in research in psychology are covered.

Credit Type	**Fixed**
Credits	**3**

PSYC 3020: DEATH AND DYING (SOCL3020)

PREREQUISITE: PSYC1021 OR PSYC1021H This course is topical overview of some of the diverse areas of inquiry grouped under the general heading death and dying. The basic purpose of this course is to help students understand grief, loss, dying, and death-both as an objective fact and as it relates to their own personal experiences-and to apply this understanding their common experiences. The social, cultural, spiritual, emotional, and intellectual dimensions of death and dying will be examined from an interdisciplinary, but mostly social psychological and sociological perspective with the goal of enhancing the meaning of life and living. Cross-listed with SOCL3020

Credit Type	**Fixed**
Credits	**3**

PSYC 3023: PSYCHOLOGICAL DISORDERS

PREREQUISITE: PSYC1021 OR PSYC1021H This course begins with definitions of abnormal behavior. Most of the course focuses upon various classifications of abnormality based on the most recent DSM, such as mood disorders, anxiety disorders, dissociative disorders, somatoform disorders, stress and physical health, personality disorders, eating disorders, substance use disorders, sexual and gender-identity disorders, and schizophrenia. Etiology, symptomatology, and treatment are explored throughout the semester.

Credit Type	**Fixed**
Credits	**3**

PSYC 3025: INDUSTRIAL AND ORGANIZATIONAL

PREREQUISITE: PSYC1021 OR PSYC1021H This course studies the organizational structure and processes in a variety of areas, including personnel, recruitment, selection, placement and counseling; supervision and leadership; motivation and moral; the conditions of work; training, organizational climate; consumer psychology; multinational corporations and diversity in organizations.

Credit Type	**Fixed**
Credits	**3**

PSYC 3028: THEORIES OF PERSONALITY

PREREQUISITE: PSYC1021 OR PSYC1021H This course will explore theory and research on personality and other factors contributing to consistency in individuals' behavior, cognition, and emotion. Concepts from major perspectives like the psychodynamic, behavioral, cognitive, biological, humanistic, and more will be examined. Finally the application of theory to many topics will be covered, potentially including psychological disorders, gender differences, interpersonal relationships, morality, and pro- and anti-social behavior.

Credit Type	**Fixed**
Credits	**3**

PSYC 3029: SOCIAL PSYCHOLOGY

PREREQUISITE: PSYC1021 OR PSYC1021H This course addresses the scientific study of human behavior, cognition and emotion as it is shaped by the psychosocial environment. Topics include social cognition, group dynamics, interpersonal attraction, conformity, aggression, prejudice, persuasion, and helping behavior.

Credit Type	**Fixed**
Credits	**3**

PSYC 3030: INTERPERSONAL AND GROUP

PREREQUISITE: PSYC1021 OR PSYC1021H This course reviews current psychological theory and research on small groups and interpersonal relations with an examination of interaction between individual behavior and group phenomena. The course provides a significant experience in the dynamics of a small group.

Credit Type	**Fixed**
Credits	**3**

PSYC 3032: PSYCH OF ADULTHOOD AND AGING

PREREQUISITE: PSYC1021 OR PSYC1021H This course examines the years from emerging adulthood through the end of life from a development are explored, with attention given to qualitative and quantitative approaches. Theories of change throughout the life course are investigated, as well as normative changes in physical health, cognition, work life, personality, and intimacy.

Credit Type	**Fixed**
Credits	**3**

PSYC 3035: BIOLOGICAL PSYCHOLOGY

PREREQUISITE: PSYC1021 OR PSYC1021H This course explores physiological bases of human psychological experiences. The nervous and endocrine systems are examined in relationship to emotions, stress, psychological disorders, and other processes.

Credit Type	**Fixed**
Credits	**3**

PSYC 3040: COUNSELING THEORIES AND

PREREQUISITE: PSYC1021 OR PSYC1021H This is the first course in a two-course counseling sequence. Taken together, these two courses are designed to: a) familiarize students with the basic concepts in the field of counseling; b) introduce students to the major theoretical approaches to counseling and psychotherapy; and c) enable students to develop a level of counseling skill that will enable them to function effectively in a supervised setting. This first semester is more than 50% abstract (lecture/ discussion) learning.

Credit Type	**Fixed**
Credits	**3**

PSYC 3041: COUNSELING THEORIES AND

This is the second course in a two-course counseling sequence. Taken together, these two courses are designed to: a) familiarize students with the basic concepts in the field of counseling; b) introduce students to the major theoretical approaches to counseling and psychotherapy; and c) enable students to develop a level of counseling skill that will enable them to function effectively in a supervised setting. This second semester is more than 50% experiential (role-playing; classroom exercise in the use of specific counseling techniques) learning.

Credit Type	**Fixed**
Credits	**3**

PSYC 3045: EVOLUTIONARY PSYCHOLOGY

PREREQUISITE: PSYC1021 OR PSYC1021H A comprehensive exploration of the application of Darwinian principles to behavior and mental processes. This scientific prospective provides a provacative and compelling explanation for the human animal's cross-cultural similarities. This course emphasizes cognition and social behavior vis-a-vis natural selection and evolutionary fitness. Topics include mating, parenting, survival, morality, and others.

Credit Type	**Fixed**
Credits	**3**

PSYC 3063: CRIMINAL BEHAVIOR: LAW AND

PREREQUISITE: CRIM1001 AND PSYC1021 This course, through an integration of psychology, criminology, and law, examines criminal behavior from both a psychological and legalistic perspective. Elements of the course include psychological explanations of individual personality development and examination of the concept of evil; rational choice and thrill-motivated theories of criminality, and the FBI's methodology for analyzing the crimes committed by selected types of criminals. The course employs famous trials to illustrate the legal means that society uses to deter and punish criminal behavior and the rules of evidence that determine the role of psychology in our legalistic system of criminal justice.

Credit Type	**Fixed**
Credits	**3**

PSYC 3070: Critical Skills for Psychology Students

Credits	**3**

PSYC 3150: COGNITIVE PSYCHOLOGY

PREREQUISITE: PSYC1021 OR PSYC1021H Cognitive Psychology explores the interdependent processes that occurin everyday mental activity. Topics addressed include perception, attention, memory,, problem-solving, and others. Students will discover the world of events that occur as they ask, "What was I thinking?!"

Credit Type	**Fixed**
Credits	**3**

PSYC 3152: APPLIED BEHAVIOR ANALYSIS

PREREQUISITE: PSYC1021 OR PSYC1021H This course will address basic principles of learning and conditioning as well as their usefulness in behavior modification. Applications to normal and abnormal behavior in the home, school, work and other environments will be emphasized.

Credit Type	**Fixed**
Credits	**3**

PSYC 4032: COUNSELING SURVIVORS OF TRAUMA

This course explores the nature and experience of trauma. Multiple theories are explored regarding the effects of traumatic impact on the individual psyche. Although the course emphasized the issues of adult survivors of early childhood trauma, especially sexual abuse and other maltreatment, issues relevant to other post traumatic stress related disorders with adults and children are included. The course is designed to provide students with an opportunity to begin to understand trauma as a construct, and work to understand the implications of trauma on personality development.

Credit Type	**Fixed**
Credits	**3**

PSYC 4050: SPECIAL TOPICS IN ADVANCED

PREREQUISITE: PSYC1021 OR PSYC1021H A collection of courses covering a broad range of topics in advanced psychology, offered according to student need and interest. The precise title is announced during registration period for any given term. SPRING 2022: The Science of Well-being: Introduction to Positive Psychology: This course will provide an introduction to the science related to happiness, well-being, flourishing and the positive aspects of human experience. Students will learn what contributes to well-being and how to build the enabling conditions of a life worth living. Students will explore the concepts (biological, psychological, social, emotional) and evidence based experiential strategies that are proven to enhance well-being. Students will engage in a detailed analysis and evidence-based positivity change process utilizing validated questionnaires and positive psychology well-being enhancing interventions.

Credit Type	**Fixed**
Credits	**3**

PSYC 4051: INTERNSHIP I @

An application of behavioral, developmental, group dynamics, and counseling principles through actual work experience. Internship may be repeated. Further information is available from instructor.

Credit Type	**Variable**
Credits	**1-6**

PSYC 4052: INTERNSHIP II @

An application of behavioral, developmental, group dynamics, and counseling principles through actual work experience. Internship may be repeated. Further information is available from instructor.

Credit Type	**Variable**
Credits	**1-6**

PSYC 4055: SENIOR SEMINAR IN PSYCHOLOGY

PREREQUISITE: PSYC3011 This is the capstone course that is required of all psychology majors. It is designed to assist students to complete their undergraduate study of psychology through independent reading and library and database research, writing of an integrated literature review, and class discussion of these seminar papers which are presented orally by the students.

Credit Type	**Fixed**
Credits	**3**

PSYC 4056: DIRECTED RESEARCH - PSYCHOLOGY

Individual research supervised by a full-time faculty member.

Credit Type	**Variable**
Credits	**1-4**

PSYC 4057: INDEPENDENT STUDY - PSYCHOLOGY

This course is limited to those few students who have demonstrated an unusual level of ability and an intense commitment to a particular area.

Credit Type	**Fixed**
Credits	**1-6**

RELS 1001: OLD TESTAMENT (SLRS)

This course will examine the beginnings of a people called Israel, as related in the Old Testament of the Christian Bible. Special attention will be given to the process of a social revolution in the Ancient Near East which gave rise to this people who entered into a covenant with their God Yahweh, a God whose worship mandated radical equality and social justice. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 1002: NEW TESTAMENT (SLRS)

This course examines the person and message of Jesus of Nazareth, as recorded in the New Testament of the Bible. Special focus will be given as to how Jesusâ€™ message continues the Old Testament tradition of the Kingdom of God, a Kingdom which creates a new world order based on radical equality and social justice. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 1002H: NEW TESTAMENT - HONORS

A general introduction to the New Testament and overview of the historical, religious and cultural milieu in which these Scriptures originated. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 1003: WORLD RELIGIONS (SLRS)

This course examines the historical development together with the religious beliefs and practices of the major religions of the world including Hinduism, Buddhism, Jainism Sikhism, Confucianism, Taoism, Shinto, Judaism, Christianity, Islam and Zoroastrianism. The teachings of each religion regarding the Absolute, the world, the nature of humans, the problem facing humans, the solution of the problem for humans, Community and Ethics, Rituals and Symbols, and what happens after death will be studied. The course also includes an examination of the beginnings of religion in human history as well as the characteristics of tribal and national religions. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 1003H: WORLD RELIGIONS - HONORS

This course examines the historical development together with the religious beliefs and practices of the major religions of the world including Hinduism, Buddhism, Jainism Sikhism, Confucianism, Taoism, Shinto, Judaism, Christianity, Islam and Zoroastrianism. The teachings of each religion regarding the Absolute, the world, the nature of humans, the problem facing humans, the solution of the problem for humans, Community and Ethics, Rituals and Symbols, and what happens after death will be studied. The course also includes an examination of the beginnings of religion in human history as well as the characteristics of tribal and national religions. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 1004: THE BIBLE AS LITERATURE

This course will explore the Hebrew and Christian Scriptures as literary texts. Students will examine the language, images, and structures of selected books of the Bible. Various approaches to Biblical study will be utilized including form and source criticism, narrative analysis, genre analysis, and rhetorical analysis. Issues to be addressed include the variety of interpretative strategies, the choice of translations, narrative and characterization strategies, the influence of the Bible on Western Tradition. (SLRS SLLT)

Credit Type	**Fixed**
Credits	**3**

RELS 1011: CHURCH HISTORY

An examination of the unfolding and growth of Christian thought in the Western world and analysis of the notion of theological development.

Credit Type	**Fixed**
Credits	**3**

RELS 1015: MORAL THEOLOGY

A survey of the principles of moral conduct based upon the writings of the New Testament and the teaching of the Catholic Church and of Contemporary Catholic moral theologians, topics include sin, human action, conscience and decision making.

Credit Type	**Fixed**
Credits	**3**

RELS 1016: SACRAMENTAL THEOLOGY

An examination of the foundational elements of the Church's sacramental life from the perspectives of theology, history and anthropology beginning with a discussion of the lived experience of sacraments and developing various models which have guided sacramental praxis, with emphasis on the contemporary influences of symbol and ritual studies.

Credit Type	**Fixed**
Credits	**3**

RELS 1018: SURVEY OF CATHOLIC DOCTRINE

This course offers a general overview of the nature of Revelation, Faith, and the sources of Revelation, together with an overview of the more important doctrinal and moral teachings of the Catholic Church.

Credit Type	**Fixed**
Credits	**3**

RELS 1019: CONSCIENCE AND FREE WILL (SLRS)

This course will help the student to see ethics as a personal response to the universal call to holiness and to the common good. Students will read an overview of the development of conscience and how free will responds and interacts with conscience in the decisions they make on a day-to day basis, and as the world makes decisions that affect the individual, the community, and the common good. They will examine their own decisions through discussion and writings on their readings, media, their peer interactions, and personal beliefs. The course will rely on the Scriptures, selected readings from theology, philosophy, psychology, contemporary writings, and Richard Gula's Moral Discernment.

Credit Type	**Fixed**
Credits	**3**

RELS 1020: THE BIBLE AS A BOOK OF SOCIAL

This course will identify some of the characteristic features of the Bible's teaching on justice as one of the most frequently recurring topics in the Bible. Special attention will be given to how the life and teaching of Jesus follows the traditional teaching of the Hebrew Bible. The course will also compare the biblical teaching on social justice with The United Nations Millennial Declaration. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 2014: CHRISTOLOGY

A systematic study of the beliefs of the church in the person of Jesus as reflected in Scripture and the early church councils and a survey of contemporary Christological teaching. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 2020: WOMEN & RELIGION

A survey of woman's place in society, past and present, as it has been and is affected by religious teachings, laws and customs and examination of the attitudes toward women in the Hebrew and Christian Scriptures, in the writing of the early church fathers, the Protestant Reformers, and in the current religious structures of Catholics, Protestants, and Jews. (SLRS)

Credit Type	**Fixed**
Credits	**3**

RELS 2034: CHURCH: INSTITUTION AND

The Church is both an institution and a community of people united in their belief that Jesus is the Savior of the World. This course examines the Church from a scriptural, historical and theological perspective.

Credit Type	**Fixed**
Credits	**3**

RELS 2050: SPECIAL TOPICS IN RELIGIOUS

A collection of courses covering a broad range of topics in religious studies, offered according to student need and interest. Life & Social Reality: This course, developed specifically for use on the La Roche Rome campus is designed to facilitate the exploration of the meaning of life and the nature of social reality, through critical-minded engagement on a variety of levels. It will include the experience of sharing in service learning opportunities, and in opportunities for spiritual experience through participation in reading and discussing common texts and reflecting upon media experiences with particular emphasis on economic justice and environmental sustainability. To be conducted as a seminar, students' input into the discussion will shape what happens in the course. We will especially reach for different and contradictory perspectives, challenging our sources through a process of "tearing apart" and/or defending and/or making creative use of them. All of the written and video/film sources used, as well as the experiences engaged in, and also the course itself, will be subjected to such a process of critique, out of which useful insights may emerge. Participants will work on the together - striving, at the same time, for independent perspectives (not some kind of conformist "group-think").

Credit Type	**Fixed**
Credits	**3**

RELS 4057: INDEPENDENT STUDY - RELIGIOUS

The independent study is intended to give an opportunity to students with superior ability to pursue an area of study in religious studies that is very specific in focus and/or not covered in existing offerings.

Credit Type	**Fixed**
Credits	**1-3**

SASU 3001: MEXICO - STUDY ABROAD/STUDY USA:

The La Roche Experience aims to provide students with the opportunity to experience and share the spirit, mission, and rich heritage of the Sisters of Divine Providence. The congregation of Divine Providence, founded in 1851, is an international community of vowed women and associates who seek to make God's Providence visible by responding to the needs of the time and co-creating a world of compassion, justice and peace. Building on the service learning opportunities, simulation exercises, and opportunities for theological and spiritual experience of LRCX1001, the learning objective of LRCX1002 is to allow students to continue to build a common pool of metaphors through their participation in reading and discussing common texts and reflecting upon media experiences with particular emphasis to economic justice and environmental sustainability.

Credit Type	**Fixed**
Credits	**1**

SASU 3002: NAVAJO NATION - STUDY ABROAD/USA

Perhaps the most significant issue confronting Native American peoples today is that of land use. Having lost the vast majority of their ancestral lands through treaty, conquest, and forced removal, Native tribal nations subsist largely on submarginal reservation lands that are beset by an array of problems: inadequate resources, air and water pollution, assaults on sacred sites, conflicts with local, state, and federal governments and with surrounding non-Native populations, and so on. At the same time, the value many of these lands possess for coal, uranium, and other mineral and energy interests produces both positives (income and employment) and negatives (health and other risks) for the affected tribes. Finally, overarching these material issues are ethical conflicts within Native communities and between Native and non-Native communities concerning the proper spiritual relation to and use of the land. In this course, we will explore the various issues related to contemporary Native American land use and land ethics through travel to the Navajo Nation reservation in Arizona and New Mexico, through study of print materials and conversation with Native peoples, and through community service projects on-site. This Study USA course thus provides students with insight and experience concerning an important contemporary topic, while engaging issues of diversity and discrimination, regional conflict, and economic (and particularly environmental) justice.

Credit Type	**Fixed**
Credits	**1**

SASU 3003: ITALIAN AND GREEK CIVILATIONS -

This course presents the legacies of the classical Italian and Greek civilizations, which served as the foundation of Western civilization. Students will be introduced to the history, language, music, architecture and art of these cultures in order to foster an appreciation for the Classical world. Participants will have the opportunity to experience and compare the cultural diversity of these countries and explore some of the most famous historical sites in the world.

Credit Type	**Fixed**
Credits	**1**

SASU 3005: INTERNATIONAL ARCHITECTURE AND

An overview of the architecture, design, and culture of the foreign countries to be visited.

Credit Type	**Variable**
Credits	**1-3**

SASU 3006: COMPARATIVE LEGAL SYSTEMS

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3007: SPORTS & ENTERTAINMENT MRKT STD ABR

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3008: GLOBAL ADORNMENT - STUDY ABROAD/

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3010: FRENCH CULTURE - STUDY ABROAD/

This course introduces students to the unique character of France. The course will familiarize students with French culture; history, language, cuisine, architecture, and art. This course provides a direct experience of French culture and the unique opportunity to explore a host of French cultural and historical sites. Students will be able to test their values and perceptions as they compare the French culture to the American.

Credit Type	**Fixed**
Credits	**1**

SASU 3011: LITERATURE, CULTURE AND

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3012: GUATEMALA - STUDY ABROAD/STUDY

The La Roche Experience aims to provide students with the opportunity to experience and share the spirit, mission, and rich heritage of the Sisters of Divine Providence. The congregation of Divine Providence, founded in 1851, is an international community of vowed women and associates who seek to make God's Providence visible by responding to the needs of the time and co-creating a world of compassion, justice and peace. Building on the service learning opportunities, simulation exercises, and opportunities for theological and spiritual experience of LRCX 1001, the learning objective of LRCX 1002/2001/2002 is to allow students to continue to build a common pool of metaphors through their participation in reading and discussing common texts and reflecting upon real experiences with particular emphasis to Diversity/Discrimination, a Region of Conflict or Economic Justice

Credit Type	**Fixed**
Credits	**1**

SASU 3013: ISLAM IN THE WORLD - STUDY

This course takes students to Istanbul, Turkey to experience the city's rich history, especially as a cultural meeting point between east and west. The city's glorious past, first under the Byzantine Empire, and later as the seat of the great Ottoman Empire, would expose students to the conflation of European and Islamic civilizational influences in a modern cosmopolitan center.

Credit Type	**Fixed**
Credits	**1**

SASU 3014: LA POSADA, TEXAS - STUDY ABROAD/USA

Study USA course instructed by La Roche faculty on a short term travel experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3015: TRINIDAD AND TOBAGO - STUDY ABROAD

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3016: ADV IDEAS SEM IN INT DESI STD ABROA

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3017: THE HOLOCAUST IN HISTORY AND

This travel course to sites in Germany and Poland, including the former Auschwitz concentration camp, provides students an opportunity to explore the history and legacy of the Holocaust. Supplemental readings, writings, and service learning projects will enable students to examine how individuals affected by the Holocaust have borne witness to genocide through literature and memory.

Credit Type	**Fixed**
Credits	**1**

SASU 3018: MARKETING IN THE INTERNATIONAL

This Study Abroad course offers the students an opportunity for a hands-on approach to marketing a product or service in an international environment. The course will enhance student understanding of cultural values and behaviors associated with marketing in a particular international environment.

Credit Type	**Fixed**
Credits	**1**

SASU 3019: SPECIAL TOPIC IN GRAPHIC DESIGN

The course will expose students to the history, language, religion, cuisine, art and architecture of these regions. Visiting these cities, with site specific commentary by local guides, will expand students' comprehension and appreciation of historically significant sites. Students will be able to test their values and perceptions as they compare these other cultures to our own.

Credit Type	**Fixed**
Credits	**1**

SASU 3020: EXPLORING FINLAND'S EDUCATIONAL

Finland's educational system churns out students who consistently top the world in mathematics and science test scores. The country's increasingly diverse public school classrooms average about 30 students, yet students spend only a few hours inside the class and receive less homework than any other group of students anywhere in the developed world. What's the secret? It begins with understanding Finland's most revered profession - teaching. This course takes us to schools and government offices in the city of Helsinki, where we are able to observe classes in session and hold conversations with students and teachers. Our trip will also take us to interesting and quaint places around the city to help us explore the culture and history of Finland, whose community-oriented society provides the premise for a very healthy and happy country.

Credit Type	**Fixed**
Credits	**1**

SASU 3021: MEDIA, POLITICS AND

Travel course is a first person interdisciplinary exploration of professional business presentations and communications as they are conducted. This will specifically highlight the planning, presentation, and broadcast/podcasting of communications, including media interviews, political and government communications, and trade/professional speeches. This course offers students a first-person opportunity to expand their professional presentations education and to learn more about how to present effective messaging.

Credit Type	**Fixed**
Credits	**1**

SASU 3022: SOCIOLOGY AND CULTURE -

Spring 2019 May trip to China

Credit Type	**Fixed**
Credits	**1**

SASU 3023: SERVICE LEARNING -

SP19 travel to Arizona in May

Credit Type	**Fixed**
Credits	**1**

SASU 3024: SPANISH LANGUAGE & CULTURE STD ABRO

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3025: LA ROCHE EXPERIENCE -

The La Roche Experience aims to provide students with the opportunity to experience and share the spirit, mission, and rich heritage of the Sisters of Divine Providence. The congregation of Divine Providence, founded in 1851, is an international community of vowed women and associates who seek to make God's Providence visible by responding to the needs of the time and co-creating a world of compassions, justice and peace. Building on the service learning opportunities, simulation exercises, and opportunities for theological and spiritual experience of LRCX 1001, the learning objective of LRCX 1002/2001/2002 is to allow students to continue to build a common poor of metaphors through their participation in reading and discussing common texts and reflecting upon real experiences with particular emphasis to Diversity/Discrimination and Economic Justice.

Credit Type	**Fixed**
Credits	**1**

SASU 3026: INTERNATIONAL POLITICS, LAW AND

This course will involve a trip to an international location, whereby students will explore firsthand the political, legal and business environments of a particular nation. The course may include visits to various political, legal and business institutions coupled with possible lectures and presentations from politicians, judges, lawyers and business professionals. The length of the study abroad experience will be approximately 7 to 15 days and may occur at the end of the semester or during a spring, summer or fall break period.

Credit Type	**Fixed**
Credits	**1**

SASU 3027: NATURAL COMMUNITIES - STUDY

Communities are not just about people. A biological community refers to all populations of all species occupying a specified area. Biological communities evolve as a dynamic interaction among all living things in a particular location and within the constraints of their natural environment. This course will examine the geography, climate and interactions among all living things (human and nonhuman) in a particular natural community. Participants will be able to observe, first hand, the diversity of wildlife and environmental conditions that gave rise to the natural community. The course will promote, through experiential learning, an understanding of the interdependence among all living things and their environment and the impact of human activity on the rest of the natural world.

Credit Type	**Fixed**
Credits	**1**

SASU 3028: EXPLORING CULTURAL GEOGRAPHY -

SP19 Trip to Hungary in May

Credit Type	**Fixed**
Credits	**1**

SASU 3028H: EXPLORING CULTURAL GEOGRAPHY -

SP19 trip to Hungary in May

Credit Type	**Fixed**
Credits	**1**

SASU 3029: HISTORY, CULTURE, POLITICS STD ABRO

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3030: INTERNATIONAL HEALTH CARE STD ABROA

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3031: BUSINESS IN THE INTERNATIONAL

SP19 Trip to Iceland during Spring Break

Credit Type	**Fixed**
Credits	**1**

SASU 3033: EXP PHYSICAL ACT & WELLNESS ABROAD

SP19 trip to Costa Rica

Credit Type	**Fixed**
Credits	**1**

SASU 3034: FINANCIAL & ECONOMIC SYSTEMS STD ABROA

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 3035: EXPL GLBL EDUCATION SYST STD ABROAD

Study abroad course instructed by La Roche faculty on a short term international experience.

Credit Type	**Fixed**
Credits	**1**

SASU 4000: STUDY ABROAD HELLYM UNIV S. KOREA

This course is a placeholder for students participating on the Hellym University S. Korea study abroad exchange program. Once the transcript is received from Hellym, the courses will be entered individually.

Credit Type	**Variable**
Credits	**3-18**

SASU XXXX: Study Abroad/Study USA Course

SCMG 3010: QUALITY MANAGEMENT

This course emphasizes statistical, technological, and managerial tools and concepts that encompass the entire supply chain in the global business environment. Topics include quality theory, quality tools, and managing quality improvement teams and projects. Implementing and validating a quality system will also be addressed.

Credit Type	**Fixed**
Credits	**3**

SCMG 3040: LOGISTICS MANAGEMENT

Prerequisite: MATH1040 This course employs a technical and analytical approach to designing and executing the logistics function within business supply chains. Topics include the analysis and evaluation of the key logistical domains of order processing, inventory functions, warehousing, transportation, distribution, and customer service elements, using quantitative methods and management science techniques. Applying a systems perspective for optimization of logistical parameters toward supply chain efficiencies in the varied dynamics of transactional fulfillment will also be addressed.

Credit Type	**Fixed**
Credits	**3**

SCMG 4051: Supply Chain Management Internship

Credits	**3**

SCMG 4055: SEMINAR IN SUPPLY CHAIN MANAGEMENT

This course focuses on managing the flow of materials, goods, services, information, and cash via the processes, technologies, and facilities that link primary suppliers through ultimate customers. Topics include the full supply chain management flow, Enterprise Resource Planning Systems (ERP), and Materials Requirement Planning (MRP). Interdisciplinary managerial concepts are presented to show how the integration of the supply chain processes offers great potential for improving corporate profitability and return on investment.

Credit Type	**Fixed**
Credits	**3**

SEMG 3020: SPORTS AND ENTERTAINMENT LAW

An introduction to the basics of the U.S. legal system as it pertains to common sport and entertainment-law topics/issues, including but not limited to those pertaining to agency law, contract law, tort law, constitutional law, employment law, labor law, antitrust law, and intellectual-property law. Specific examples & cases will be used from the areas of sports and entertainment, to bring to life the legal doctrines and rules covered in the course. Particular attention will be paid to current events/issues in sports and entertainment.

Credit Type	**Fixed**
Credits	**3**

SEMG 3030: SPORTS & ENTERTAINMENT MANAGEMENT

This course will provide a comprehensive, current, and concise introduction to sports & entertainment management principles and practices. Functional overviews of industry skills are presented and exposure to organizational theory, law and sports governance, facilities and venues, sports marketing, ethical applications, broadcasting, event management, agency, advertising, sponsorship, international sport, collegiate and amateur sport will be addressed in detail.

Credit Type	**Fixed**
Credits	**3**

SEMG 3031: SPORTS AND ENTERTAINMENT MARKETING

Sports and Entertainment Marketing may be thought of as the specific application of marketing principles and processes to sports and entertainment. This course examines the complex and diverse nature of sports and entertainment marketing. A framework will be presented to help explain and organize the strategic sports and entertainment marketing process as well as the current structure of the sports and entertainment industry.

Credit Type	**Fixed**
Credits	**3**

SEMG 3035: SPORTS GOVERNANCE & POLICY

This course will examine the governance structures within professional and amateur sport organizations. Students will explore policy elements and issues within scholastic, amateur, campus recreation, intercollegiate athletics, professional sport (North American and International), and Olympic sport. This course will examine the mission, structure and function of sport governing bodies and the issues that surround them.

Credit Type	**Fixed**
Credits	**3**

SEMG 4025: RISK MANAGEMENT IN SPORTS & ENT.

The business of entertainment continues to face significant disruption with new market entrants, novel products and technologies, and unforeseen events, like COVID-19. Risk management has never been more critical to these industries. This course aims to equip students with the knowledge and skills to identify, analyze, control, finance, and report on the risks particular to the Entertainment Industries.

Credit Type	**Fixed**
Credits	**3**

SEMG 4051: Sports & Entertainment Internship

Credits	**3**

SOCL 1021: RACE, CLASS & GENDER: INTRO TO SOCI

This course is an introduction to the study of society through the critical analysis of social relations, behavior, and organization. It is designed to facilitate students to develop a broad knowledge of how social structures and human behavior influence each other, as well as to identify the issues that arise from such interactions. In order for students to critically analyze contemporary social issues and problems, such discussions will focus along the dimensions of race, class, and gender. No prior knowledge of sociology is expected.

Credit Type	**Fixed**
Credits	**3**

SOCL 1023: GLOBAL SOCIAL PROBLEMS

This course is a study of current social problems that take place across the globe. It emphasizes the application of sociological concepts to the critical analysis of social issues and problems in contemporary societies throughout the world, including the US. Cross-listed with SLSO1007

Credit Type	**Fixed**
Credits	**3**

SOCL 1034: RACE AND ETHNICITY (SLSO)

A study of the social relationships of racial, ethnic, religious and other minority groups with emphasis on personal, cultural and social development.

Credit Type	**Fixed**
Credits	**3**

SOCL 1034H: RACE AND ETHNICITY - HONORS

A study of the social relationships of racial, ethnic, religious and other minority groups with emphasis on personal, cultural and social development.

Credit Type	**Fixed**
Credits	**3**

SOCL 2008: SOCIOLOGY OF WORK AND

Work and occupations are examined in historical and contemporary contexts. Emphasis will be placed on the characteristics of professions and the attempts of occupations to professionalize. Focus will be on the macro level (the effects of advancements in technology, bureaucratization and unionization on the division of labor), the microlevel (job satisfaction and alienation), and on the interface between macro and micro levels (do individuals of equal ability have equal access to prestige careers regardless of race, ethnicity, gender, age, or other attributes).

Credit Type	**Fixed**
Credits	**3**

SOCL 2022: SPORTS AND GLOBALIZATION

Using sociological theories and concepts, this course analyzes how society defines and organizes sports. This course also looks at how sports as a (local and globalized) social activity influences important aspects of our lives such as family, education, politics, the economy, media, and religion. It also examines how sports participation affects our ideas about, among other things, gender, class, ethnicity, conformity, and violence.

Credit Type	**Fixed**
Credits	**3**

SOCL 2030: Juvenile Delinquency

Credits	**3**

SOCL 2038: WEALTH, POWER, AND PRESTIGE

The course presents a study of the causes and consequences of political, economic and social inequality. The systematic ranking of individuals and aggregates is analyzed. Institutional and non-institutional determinants of inequality are examined so as to understand the distribution of wealth, status and prestige in society.

Credit Type	**Fixed**
Credits	**3**

SOCL 2040: FOUNDATION OF SOCIAL THOUGHT

The course examines sociological theories, with emphasis on the works of Durkheim, Marx, Weber, and G.H. Mead and other major contributions to sociological thought.

Credit Type	**Fixed**
Credits	**3**

SOCL 2043: SOCIOLOGY OF MENTAL HEALTH

An introduction to the field of sociological practice. Provides an understanding of micro and macro sociological theory and how it is used to assess, analyze, and diagnose human problems. Introduces students to casework and problem solving with small groups, organizations, and families. Acquaints students with the broad range of professional opportunities for the sociological practitioner.

Credit Type	**Fixed**
Credits	**3**

SOCL 2045: ISLAM IN THE WORLD

In this course, the basic beliefs of Islam are reviewed, along with a brief history of Islam's overall development and its impact on the world and on various civilizations in different global regions. Islam's internal sects are analyzed, and its political impact on current politics in the world is explored. The role of U.S. foreign policy in dealing with the recent rise of Islam is also analyzed. Cross-listed with HIST/POLI2045. Fulfills GLOBAL PERSPECTIVE in academic core.

Credit Type	**Fixed**
Credits	**3**

SOCL 2061: SOCIAL GERONTOLOGY

A general introduction to social gerontology with emphasis upon the normal aspects of aging. Review of current hypotheses and findings concerning the aging processes are addressed.

Credit Type	**Fixed**
Credits	**3**

SOCL 2062: HUMAN SERVICES IN MODERN SOCIETY

A study of the role of social services in contemporary society. This course is designed to assist students in exploring theories, practices and careers in the helping professions.

Credit Type	**Fixed**
Credits	**3**

SOCL 2070: CULTURE AND HUMAN SOCIETIES

Sociological study of what we mean by culture is taken and critically applied to the discussion of global-historical transformations in human social development, from the period of simple societies to the present age of complex, industrial, and globalized societies.

Credit Type	**Fixed**
Credits	**3**

SOCL 3002: PROBLEM PERSPECTIVES IN AGING

This course has a social problem orientation. The material deals with the major unmet needs of older people. The approach focuses upon the current status of older people in American society, identifies the deficiencies in particular areas and examines the resources available to the aged to deal with specific problems.

Credit Type	**Fixed**
Credits	**3**

SOCL 3004: HEALTH, MEDICINE AND SOCIETY

The study and analysis of the health care system, including the definitions and behaviors in health and disease, the types and roles of practitioners and the forms and problems of health care delivery. Contemporary issues in American health care are examined.

Credit Type	**Fixed**
Credits	**3**

SOCL 3008: SOCIOLOGY OF WORK AND

Work and occupations are examined in historical and contemporary contexts. Emphasis will be placed on the characteristics of professions and the attempts of occupations to professionalize. Focus will be on the macro level (the effects of advancements in technology, bureaucratization and unionization on the division of labor), the microlevel (job satisfaction and alienation), and on the interface between macro and micro levels (do individuals of equal ability have equal access to prestige careers regardless of race, ethnicity, gender, age, or other attributes).

Credit Type	**Fixed**
Credits	**3**

SOCL 3011: RESEARCH METHODS

PREREQUISITE: MATH1040 AND CRIM2012 This course examines major research methods. The student will be exposed to the development and evaluation of research design and conclusions, conducting of research, preparation of research papers and ethics in research. The emphasis will be on survey methods, participant observation and ethnographic research.

Credit Type	**Fixed**
Credits	**3**

SOCL 3020: DEATH AND DYING

This course is a topical overview of some of the diverse areas of inquiry grouped under the general heading death and dying. The basic purpose of this course is to help students understand grief, loss, dying, and death-both as an objective fact and as it relates to their own personal experiences-and to apply this understanding to their common experiences. The social, cultural, spiritual, emotional, and intellectual dimensions of death and dying will be examined from an interdisciplinary, but mostly social psychological and sociological perspective with the goal of enhancing the meaning of life and living.

Credit Type	**Fixed**
Credits	**3**

SOCL 3025: DEVELOPMENT: POLITICAL, SOCIAL

A study of the political, social, and economic realities of Latin America, Asia, and Africa. Emphasis is placed on ecological, racial, ethnic, and population problems, as well as on the legacy of colonialism, developmentalism, and dependency. Human rights and special problems of women will also be addressed. Cross-listed with INST3025 and POLI3025

Credit Type	**Fixed**
Credits	**3**

SOCL 3026: WOMEN IN AMERICAN SOCIETY

This course is an introduction to the field of women's studies that focuses on the significance of gender in shaping the culture, society, and influence of the United States. Drawing upon a diverse set of theories, methods, and approaches from the social sciences, this course focuses primarily on the interrelated dynamics of gender at both the individual and societal levels in the United States, although we will view this country from both a comparative and an international perspective, showing how gender-related social and cultural phenomena vary across countries. Among the topics covered are cultural norms and values, socialization, interpersonal behavior, strategies of power and influence, gender-based violence, sexuality and reproduction, and social institutions such as the family, workplaces, government, education, religion and the media.

Credit Type	**Fixed**
Credits	**3**

SOCL 3027: FAMILY RELATIONS

A sociological analysis of the family with emphasis on historical trends and contemporary family life in the United States. The study includes family relationships and functions, family disorganization and change, with an overview of the family as a major social institution.

Credit Type	**Fixed**
Credits	**3**

SOCL 3029: SOCIAL PSYCHOLOGY (PSYC3029)

PREREQUISITE: PSYC1021 OR PSYC1021H This course addresses the scientific study of human behavior, cognition and emotion as it is shaped by the psychosocial environment. Topics include social cognition, group dynamics, interpersonal attraction, conformity, aggression, prejudice, persuasion, and helping behavior. Cross-listed with PSYC3029

Credit Type	**Fixed**
Credits	**3**

SOCL 3031: RELIGION AND SOCIETY

An analytical presentation of religion as a social institution emphasizing the function of religion in society and its relationship to the conflict and change that characterize modern American life.

Credit Type	**Fixed**
Credits	**3**

SOCL 3036: SOCIOLOGY OF ADDICTIONS

A study of the causes and consequences of addictions. The relationship of public policy to addictions in society, the family, and the workplace is analyzed. Addictions are viewed as ingestive (alcohol, drugs, eating disorders) and/or behavioral (gambling, sexual, workaholism). Societal responses are explored.

Credit Type	**Fixed**
Credits	**3**

SOCL 3037: VICTIMS OF ABUSE AND NEGLECT

This course addresses the social and psychological conditions, which give rise to the physical abuse of children and adults. The principal focus is an examination of child abuse and neglect, battered spouses, victims of rape and assault and victims in institutions. The effects on the individual and possible societal responses are also explored.

Credit Type	**Fixed**
Credits	**3**

SOCL 3039: POLITICS AND SOCIETY (POLI3039)

The course is designed to familiarize the student with the social bases of political power. Politics is viewed as a process in relation to the social and economic structures, which influence its direction. A consideration of the effects which politics has on these structures is also offered. A detailed analysis of the primacy of politics in the 20th century is included. Cross-listed with POLI3039

Credit Type	**Fixed**
Credits	**3**

SOCL 3040: ETHNIC CONFLICT (POLI3040)

In this course we examine why ethnic groups sometimes get along very well, but other times engage in conflict. We query: What are the political and social origins of ethnic conflicts in various parts of the world? Do ethnic conflicts differ in different world regions? What national and international policies encourage ethnic conflict? How can we encourage ethnic groups to pursue peaceful accommodations? Cross-listed with POLI3040

Credit Type	**Fixed**
Credits	**3**

SOCL 3041: CITIES AND GLOBALIZATION

This course examines the social dynamics of urbanization, urban social structure, and urban development. It analyzes, through various theories of urban sociology, the city as a form of social organization and as centers of economic and political processes. It also looks at how globalization has impacted various cities around the world in terms of their growths and declines.

Credit Type	**Fixed**
Credits	**3**

SOCL 3050: EDUCATION AND SOCIETY

This course is a critical analysis of education as a social institution. It looks at the interactive relations between education and the social dimensions of class, race, ethnicity, and gender, both in the US and in selected countries around the world.

Credit Type	**Fixed**
Credits	**3**

SOCL 3051: DEVELOPMENT IN SOUTHEAST ASIA

This course looks at the history of social, political and economic development of Southeast Asia, excluding Indochina, and focusing primarily on Indonesia, Malaysia, and the Philippines. It will discuss the contingent and dependent nature of development of these countries under the larger framework of global capitalism, and how such development affects the national historical experiences of these countries. Cross-listed with HIST/POLI3025

Credit Type	**Fixed**
Credits	**3**

SOCL 3081: ENVIRONMENT AND SOCIETY

This course is designed to provide an approach to study and analyze the interactions between society and the environment, and the political economic impacts of environmental problems. Focus will be on both the social causes of and social responses to various environmental problems, at the local, national, and global levels.

Credit Type	**Fixed**
Credits	**3**

SOCL 3082: SOCIAL MOVEMENT AND RESISTANCE

This course examines the origin, growth, and dynamics of social movements as forms of social protest and resistance against state and global injustices. Discussions include case studies of various social and political groups, non-government organizations, and liberation and revolutionary movements in the US and throughout the world. Cross-listed with POLI3082

Credit Type	**Fixed**
Credits	**3**

SOCL 4050: SPECIAL TOPICS IN ADVANCED

A collection of courses covering a broad range of topics in advanced sociology, offered according to student need and interest. The precise title is announced during registration period for any given term.

Credit Type	**Fixed**
Credits	**3**

SOCL 4051: INTERNSHIP I - SOCIOLOGY

A field experience in a social institution. The students are given the opportunity to integrate their theoretical knowledge with practical application under the guidance of professionals at the particular institution where they are assigned.

Credit Type	**Variable**
Credits	**1-6**

SOCL 4052: INTERNSHIP II - SOCIOLOGY

A field experience in a social institution. The students are given the opportunity to integrate their theoretical knowledge with practical application under the guidance of professionals at the particular institution where they are assigned.

Credit Type	**Variable**
Credits	**1-6**

SOCL 4055: SENIOR SEMINAR

A course designed to assist students in culminating and synthesizing their study of sociology on the undergraduate level through independent readings, research and class discussion. Required for sociology majors.

Credit Type	**Fixed**
Credits	**3**

SOCL 4056: DIRECTED RESEARCH - SOCIOLOGY

Individual research supervised by a full-time faculty member.

Credit Type	**Fixed**
Credits	**1-4**

SOCL 4057: INDEPENDENT STUDY - SOCIOLOGY

This course is limited to those few students who have demonstrated an unusual level of ability and an intense commitment to a particular area.

Credit Type	**Fixed**
Credits	**1-3**

SPCH 1001: MODERN PUBLIC SPEAKING

Intended to develop an understanding of and facility in the preparation, organization, delivery and criticism of speeches.

Credit Type	**Fixed**
Credits	**3**

SPCH 1003: ORAL INTERPRETATION

A course in the theory and practice of the interpretation of prose, drama and poetry.

Credit Type	**Fixed**
Credits	**3**

SPCH 1010: ORAL COMMUNICATION

In this course, students will study and practice the fundamentals of speech communication including listening, speaking, collaborating, and presenting information effectively. Through classroom communication, face-to-face discussion, group dynamics, and classroom leadership activities, students will gain confidence in oral self-expression by employing verbal and nonverbal communication messages in a variety of settings (i.e., intrapersonal, interpersonal, group, and public contexts). Students will also learn how to communicate effectively using appropriate current technologies.

Credit Type	**Fixed**
Credits	**3**

SPCH 1022: CREATIVE DRAMATICS (SLAE1010)

A course in improvisational drama with emphasis on educational and motivational skills, games and the performing arts. Workshop participation is expected.

Credit Type	**Fixed**
Credits	**3**

SPCH 2002: CONTEMP COMM THROUGH DISCUSSION

Intended to acquaint the student with basic concepts essential for effective communication in small groups, to increase the student's ability to examine and evaluate small group interactions and to develop communication skills through participation in small group discussions.

Credit Type	**Fixed**
Credits	**3**

SPCH 2023: INTRODUCTION TO THEATRE

An aesthetic and practical study of theater that examines various styles and forms of drama and theatrical productions.

Credit Type	**Fixed**
Credits	**3**

XRCA 1000: PCHE CROSS REG CARLOW

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**1-12**

XRCC 1000: PCHE CROSS REG CCAC

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**0-6**

XRCH 1000: PCHE CROSS REG CHATHAM

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**0-6**

XRCM 1000: PCHE CROSS REG CMU

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**3-4**

XRDQ 1000: PCHE CROSS REG DUQUESNE

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**0-5**

XRPP 1000: PCHE CROSS REG POINT PARK

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**3-6**

XRPT 1000: PCHE CROSS REG PITT

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**0-5**

XRRM 1000: PCHE CROSS REG RMU

Course completed through cross-registration with the Pittsburgh Council of Higher Education (PCHE).

Credit Type	**Variable**
Credits	**1-6**