COURSE CATALOG
2022-2023

LA ROCHE UNIVERSITY

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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 for the University, ensuring the wise and efficient use of our resources while respecting the larger environment through sustainability.

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 (requirements are listed in this section of the catalogue). 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.

A 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.
- A part-time student is one who is carrying less than 12 credit hours in a regular semester.
- 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.

Dean's List

Each semester those full-time students with 12 graded credits or more, who have earned a 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, including summer, and have earned a GPA of 3.500 or higher are placed on the dean's honor list.

Good Academic Standing

Students are in good academic standing at the University when their cumulative and semester grade point averages are 2.000 or above.

Not In Good Academic Standing

Students are not in good academic standing at the University when their cumulative and/or semester grade point averages are below 2.000. Students not in good academic standing will be required to work with a designated academic support advisor on strategies to enhance their academic performance. The Academic Standing Review Board carefully considers the individual circumstances of all students who are not in good standing and, at its discretion, may recommend that students not in good standing 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

Students whose cumulative grade point averages (GPAs) are 2.000 or above but whose semester GPAs are below 2.000 will be placed on academic warning for the subsequent fall or spring semester.

Academic Probation

Full-time students whose cumulative grade point averages are below 2.000 (1.800 for freshmen), or who are subject to a second placement on academic warning, will be placed on academic probation for their subsequent fall or spring semester of enrollment.

Part-time students who have accumulated 12 credits attempted and whose cumulative grade point averages fall below 2.000 (1.800 for freshman) will be placed on academic probation for their subsequent fall or spring semester of enrollment.

Any student placed on academic probation is required to work with a designated academic support advisor on strategies to enhance his or her academic performance. Any student placed on academic probation will be restricted to no more than 13 credits for his or her subsequent fall or spring semester of enrollment, and will be subject to other conditions as required by the academic support advisor or the Academic Standing Review Board.

Academic Suspension

Any full-time student whose semester grade point average is below 1.000 or who is subject to a second placement on academic probation will be immediately suspended from the University for the subsequent spring or fall semester. Suspension decisions are made by the Academic Standing Review Board. Students who have been suspended will be assigned an academic support advisor with whom they will work to accomplish the prescribed strategies necessary for their reinstatement. Reinstatement of any student who has been suspended will be at the discretion of the chair of the Academic Standing Review Board, in consultation with all necessary University constituents, based on consideration of the student's written request for reinstatement. Students reinstated from a suspension will remain on academic probation during the semester of their re-enrollment and will be required to comply with an academic support plan set forth by the Office of Student Academic Support Services.

Students will be informed, in writing, prior to the beginning of the semester of the Academic Standing Review Board's decision, and the terms with which the students must comply.

Academic Dismissal

Students will be dismissed from the University if they are subject to placement on academic probation for two consecutive semesters or fail to make progress after reinstatement to the University from suspension. Dismissal decisions are recommended by the Academic Standing Review Board to the Vice President for Academic Affairs and Academic Dean. The Academic Standing Review Board will carefully consider the student's total academic record prior to making a recommendation to dismiss.

Reinstatement of any student who has been dismissed will be at the discretion of the Vice President for Academic Affairs and Academic Dean, in

consultation with the chair of the Academic Standing Review Board and all necessary University constituents, based on consideration of the student's written request for reinstatement. Students reinstated from dismissal may have to serve a semester of suspension or will remain on academic probation during the semester of their reenrollment if permitted to return. Returning students will be required to comply with an academic support plan set forth by the Office of Student Academic Support Services.

Students will be informed, in writing, prior to the beginning of the semester of the Academic Standing Review 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 Associate Dean of Academic Affairs for Student Academic Support Services within ten business days of the date of the Academic Standing decision letter. The deadline for appeals will be specified in each letter sent to the student.

The written appeal should fully describe the students' reason for poor academic performance, others who might be aware of the situation, and specific steps she/he plans to take toward improvement.

Once received and considered by the appropriate parties, the appeal decision will be communicated in writing to the student by U.S. mail and by other means if necessitated by time constraints.

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.
    - http://www.biosig-id.com/BSI-QI/BSI-QI.html
- 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 QPA)
- 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
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

	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	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:

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.
Independent Study/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 is 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 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:

CREDITS TOTAL HOURS REQUIRED APPROXIMATE HRS/WK *

1 CREDIT 45 hours 3 hours per week
2 CREDITS 90 hours 6 hours per week
3 CREDITS 135 hours 9 hours per week
4 CREDITS 180 hours 12 hours per week
5 CREDITS 225 hours 15 hours per week
6 CREDITS 270 hours 18 hours per week

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

October 2020

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	Pass
NC	0	No Credit
AU	0	Audit
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.

September, 2014

Pass or Fail

A student may register for one pass or fail course each semester. Major, major elective courses, and University graduation requirement courses are not available for the pass or fail option, except for internship courses. Individual departments will determine whether internship courses will be graded on a pass or fail basis.

Application for the pass or fail option may be obtained from the Registrar's Office. Signed applications must be submitted at the time of registration. This formal application is irrevocable after the last day to add. Since no quality points are assigned for a 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.

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 or major 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 honors are awarded by faculty as outlined for the honors program.

Major Declaration
MAJOR DELCARATION 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.

November 2021

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.

Registration

A student is permitted to attend only those classes for which he or she is officially registered. New students are registered for classes prior to the beginning of their first semester. Returning students register on-line during mid-semester for the following term. Dates of registration are published in the academic calendar. Early registration is granted to Veteran students.

Credits will not be granted nor grades recorded on a transcript for any course for which a student is not officially registered.

Many advanced (upper level) courses have prerequisites as indicated in the catalogue. A student may not register for a course until he or she has met the prerequisites or unless the division chairperson or department chairperson grants permission in writing.

Full-time Status

Full-time status for undergraduate students is12 credits in the fall and spring semesters, and 9 credits in the summer session.

Full-time status for graduate students is 6 credits in the fall and spring semesters and 3 credits in the summer semester. Graduate students registered for 3 credits in the first accelerated session and 3 credits in the second accelerated session within the same semester are considered full-time.

Adding or Dropping of Classes

Classes may be added only during the scheduled add/drop period each semester; the last date to add a class is published in the academic calendar. Students are permitted to drop a class after the first week of classes each semester and the final date of the drop period is published in the academic calendar. After the first week of classes, students can only withdraw from a course; withdrawn courses are included on the student's transcript and indicated by a withdraw "W" grade.

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.

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.

Class Attendance

Each instructor is responsible for determining attendance requirements and informing students. Every student enrolled in a course is fully responsible for meeting the requirements stipulated by the instructor. In most cases class time will be integral to the thorough understanding and effective use of the subject matter of the course. A student who misses class may endanger his/her progress and seriously hinder successful completion of the course.

Prolonged absence from classes due to serious illness or emergency should be reported as soon as possible to the Student Academic Support Services Office. Such prolonged absence may necessitate a withdrawal from the course or courses in question.

Credit by Examination

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.

Standardized Examinations

The University will award credit for the following standardized examinations:CLEP, DANTES Subject Standardized Tests (DSST), Advanced Placement (AP), and International Baccaluereate (IB). A student can earn CLEP credit in the general examinations and the various subject examinations. Each academic division determines if credit by exam is applicable to their specific majors. No standardized examinations are permitted during the student's residency.

Credit is awarded based on minimum score needed for credit, found in the standardized exam credit equivalency charts maintained by the Registrar’s Office. DSST results are evaluated on a per course basis with the academic department. Official test scores must be received from the organization providing the exam, in order for credit to be received.

Cross Registration

Any full-time student may cross-register for one course each semester at any one of the Pittsburgh Council on Higher Education (PCHE) institutions, provided the course is open for cross-registration. The grade earned for a cross-registered course is calculated in the student's GPA. There is no PCHE cross-registration available in the summer or for intercessions. An authorized registration form must be approved by the advisor and the Registrar's Office. Forms are filed with the registrar of the host and home institutions before the deadline for such registration.

La Roche students should use the La Roche University tuition, refund, and add/drop policies any time they cross-register at another institution. 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 University of Pittsburgh.

Tuition and Fees

If you have questions, please contact the Student Accounts Office at:

• PHONE: 412-536-1030

• FAX: 412-536-1075

• E-MAIL: studentaccounts@laroche.edu

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

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.

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, taking into account 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 University will accept a maximum of 90 credits toward an undergraduate degree from four-year degree-granting institutions, 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 will be accepted toward an undergraduate degree from regionally accredited Community or Junior Colleges that offer two-year education programs and award associate degrees.
- A maximum of 45 credits will be accepted toward an undergraduate degree 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 will accept a maximum of 90 credits towards an undergraduate degree to include to all transfer credits, credit by standardized examination, and credit for life experience.
- 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 and file official transcripts of courses taken at other institutions 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.

Residency Requirement: All students must complete the last 30 credits (in residency) 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 sources (see below) cannot be included within the last 30 credits.

Courses Not Accepted In Transfer:

- 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).
- Remedial courses, usually numbered below 100 or 1,000.
- Non-credit courses providing instruction in English as a Second Language.
- Undergraduate courses completed with a grade below "C".
- Course completed with a grade of "P" or "S" (Pass or Satisfactory); unless verified in writing by the Registrar of the prior institution that such grade is equivalent to a grade of "C".

Non-Traditional Learning Options

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

• Advanced Placement (AP). Departments approve qualifying scores through the Advanced Placement Program of the College Board. Students must have their scores sent directly from the College Board to the Registrar to receive credit.

• 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. A qualified applicant may earn credit by proficiency examination upon the recommendation of the department chair and the approval of the registrar. The exam is administered by a La Roche faculty member and must be completed prior to the last 30 hours at La Roche with a minimum grade of C.

• 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.

• 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 2021

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.

La Roche Academic Tuition & Fees

Tuition	
Undergraduate	
Part Time/per credit	$ 795.00
Undergraduate (Full-Time)	
Tuition per semester (12-18)	$15667.00
Graduate	
Graduate/per credit	$ 834.00
ELMSN/per credit	$ 770.00
Anesthesia (HSC)/per credit	$ 847.00
Nurse Anesthesia Doct. (DNAP)/per credit	$1015.00

Special Programs	
ESL Class	$ 303.00
ESL Fee	$ 90.00
Adult (ADLT)	$ 795.00
Alumni Audit/UNDG (AAUN)	$ 160.00
Alumni Audit/GRAD (AAGD)	$ 170.00
Alumni Discount (AUCO)	$ 591.00
Alumni Discount (AGCO)	$ 665.00
CDP UNDG (CDP)	$ 442.00
CDP GRAD (CDPG)	$ 665.00
Butler CC (BC3P)	$ 442.00
Health Service-UNDG (HLTH)	$ 442.00
Health Service-GRAD (HLTG)	$ 665.00
Ballet (CPBP)	$ 591.00
Concurrent Enrollment (CPCE)	$ 230.00
Corporate Disc.-UNDG (CORP)	$ 591.00
Corporate Disc.-GRAD (CORG)	$ 665.00
Bridge (BRDG)	$ 150.00
Prov. Inst. Pre-Session Fee	$ 245.00
Ohio Valley Rad Tech (OVRT)	$ 795.00
Religious Cert (CRE)	$ 442.00
Scholar Credit Int. (SCIP)	$ 230.00
Scholar (off campus-SC)	$ 240.00

Residence Fees	
Graduate	
ELMSN Housing	$5027.00
Bold Room	$4080.00
Lower Campus	$3602.00
Meal A (Redhawk)	$2363.00
Meal B (Bold)	$2138.00
Meal C (Kettler)	$1964.00
Single-Bold	$1775.00
Single-Lower Campus	$1425.00

Other Fees/Semester	
Undergraduate	
Student Support/Dev. Fee	$ 260.00
Curricular/Tech Fee	$ 215.00

Part Time and Grad Fee	$ 65.00
Insurance	$1850.00

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

La Roche University

Faculty

Acheson, Christina H	Adjunct Faculty
Ahwesh, Natalie, M.ED	Adjunct Faculty
Anderson, Cyrus Victor	Adjunct Faculty
Andreykovich, Lara C.	Adjunct Faculty
Archer, Lynn K., EDD	Professor
Atkinson, Diana E, MSW	Adjunct Faculty
Austin, Jorlanditha	Adjunct Faculty
Bahl, Rishi Raj, PHD	Associate Professor
Bahm, Cristina Marie, PHD	Associate Professor
Ball, Amanda Marie	Adjunct Faculty
Barnett, James	Adjunct Faculty
Basil, Kelly Lynn	Adjunct Faculty
Bauer, Laura, M.ED	Adjunct Faculty
Bayer, Janine, PHD	Professor
Belko, William T	Adjunct Faculty
Bell, Kristi Lynn	Adjunct Faculty
Bellin, Joshua D., PHD	Professor
Bennett, Sydney	Adjunct Faculty
Benson, Steven C	Adjunct Faculty
Bischoff, Lisa M.	Adjunct Faculty
Bobinchock, Edward J, PHD	Professor
Boerio, Victor A.	Adjunct Faculty
Bott, Andrew P.	Adjunct Faculty
Bozym, Rebecca A., PHD	Associate Professor
Buckey, Denise Gina	Adjunct Faculty
Burkholder, Benjamin J, PHD	Adjunct Faculty
Calla, Crystal	Adjunct Faculty
Calta, Brooke	Adjunct Faculty
Calva, Steve	Adjunct Faculty
Capozza, Mark Vincent	Adjunct Faculty
Carlin, Mary Christine, MSN	Assistant Professor
Carlisle, Kristy Lynn	Adjunct Faculty
Carrazana, Fabian, BS	Adjunct Faculty
Caruso, Maria, MAST	Associate Professor
Cercone, Sharon L.	Adjunct Faculty
Chapman, Pamela J., PHD	Associate Professor
Chester Rose, Victoria L.	Adjunct Faculty
Cho, Shinil, PHD	Professor
Cianciosi-Rimbey, Michelle Ann	Adjunct Faculty
Clouse, Andrew William	Adjunct Faculty
Collette, Nancy, MA	Adjunct Faculty
Connolly, Patrick Thomas, MA	Assistant Professor
Connor, Traci O	Adjunct Faculty
Craig, John	Adjunct Faculty
Cramer, Elliott Stephen, BS	Adjunct Faculty
Crammond, Joanna, PHD	Adjunct Faculty
Crowley, William J., JD	Assistant Professor
Cummins-Dunn, Debra A	Adjunct Faculty
Czar, Carrie	Adjunct Faculty
Darville, Jeffrey, PHD	Adjunct Faculty
Dawson, Mark, MBA	Professor
DeAmicis, Albert P.	Adjunct Faculty
Devine, Sarah M.	Adjunct Faculty
DiCianna, Christopher	Adjunct Faculty
Diven, Maria Ripepi, MFA	Associate Professor
Duckworth, Janice, PHD	Assistant Professor
Duffy, Shirley K, PHD	Adjunct Faculty
Duncan, Christine A, PHD	Assistant Professor
Dunn, Mark W	Adjunct Faculty
Duryea, Scott Nicholas, PHD	Adjunct Faculty
Ellena-Wygonik, Mary Louise	Adjunct Faculty
Faculty-TBA	No rank
Fazio, Lori Ann	Adjunct Faculty
Fazio, Matthew D.	Adjunct Faculty
Flannery, Laurette, DNP	Adjunct Faculty
Flickinger, Carrie Dawn, PHD	Adjunct Faculty
Flynn, Amy Lynn, MSN	Assistant Professor

Foley, Brandon Christopher, PHD	Adjunct Faculty
Folkl, Janet, MA	Adjunct Faculty
Forrest, Joshua, PHD	Professor
Forte, Nyiesha	Adjunct Faculty
Forti, Jean Carol, PHD	Professor
Fortwangler, Crystal L, PHD	Assistant Professor
Frederick, Leigh Ann	Adjunct Faculty
Frick, David L, MBA	Adjunct Faculty
Fry, Elizabeth Anne, PHD	Adjunct Faculty
Fulton, Sydney, MBA	Adjunct Faculty
Ganni, Jessica, PHD	Adjunct Faculty
Ganster, Kathleen J.	Adjunct Faculty
Garrett, Natasha, PHD	Adjunct Faculty
Genest, Maria T, EDD	Associate Professor
Gephart, Danielle	Adjunct Faculty
Gianfrancesco, Autumn	Adjunct Faculty
Gilardi, Ronald L., PHD	Adjunct Faculty
Gnalian, Elizabeth B	Adjunct Faculty
Guentner, Kathleen, PHD	Adjunct Faculty
Hajduk, Nancy Ann	Adjunct Faculty
Harlan, JoAnne	Adjunct Faculty
Harrison, Brianne	Adjunct Faculty
Heiles, Katherine	Adjunct Faculty
Henkels, Robert J.	Adjunct Faculty
Herrington, Barbara E., PHD	Professor
Hochrein, Michael Joshua	Adjunct Faculty
Hoffman, Angela M., DNP	Assistant Professor
Hoffman, Todd Walton	Adjunct Faculty
Huff, Sean	Adjunct Faculty
Iannazzo, Ashley Anne	Adjunct Faculty
Illig, Stephanie L, MSN	Adjunct Faculty
Ionadi, Amy A.	Adjunct Faculty
Jesiolowski, Ronald John	Adjunct Faculty
Johnson, Dallann	Adjunct Faculty
Joos, Irene R., PHD	Professor
Joyner, Tara L	Adjunct Faculty
Kalkstein, Christina S, PHD	Assistant Professor
Kamarados, Cheryl M.	Adjunct Faculty
Kamienska-Carter, Eva	Adjunct Faculty
Kamphaus, Lisa A., MSIA	Professor
Karaffa, Cynthia Ann	Adjunct Faculty
Karger, Bruce A.	Adjunct Faculty
Katyal, Sanj	Adjunct Faculty
Katyal, Tricia Lodge	Adjunct Faculty
Kelleher, Adria, PHD	Adjunct Faculty
Keltz, Alfreida	Adjunct Faculty
Kendall, Robert	Adjunct Faculty
Kienzle, Joseph Robert	Adjunct Faculty
Kinsey, Jack	Adjunct Faculty
Kirkpatrick, Michelle L., MSIA	Assistant Professor
Kolenich, Peter	Adjunct Faculty
Kurtz, Eugene, M.ED	Adjunct Faculty
Kyper, Lindsay M	Adjunct Faculty
Lampe, Lauren P., MFA	Professor
Lanzino, Lauren A, DC	Associate Professor
Latal, Mladen, MAST	Adjunct Faculty
Layman, Timothy R., DNP	Adjunct Faculty
Le Blanc, Paul J., PHD	Adjunct Faculty
Leavey, Sean	Adjunct Faculty
Lee, Albert S., JD	Adjunct Faculty
Leech, Tyler	Adjunct Faculty
Leon, Maricarmen	Adjunct Faculty
Lhota, Kevin E, MBA	Assistant Professor
Li, Xuan	Adjunct Faculty
Liberto, Terri L., PHD	Professor
Liccione, Michael James	Adjunct Faculty
Likar, Lawrence, JD	Professor
Lindsay, Andrea	Adjunct Faculty
Lipkin, Nadav David, PHD	Assistant Professor
Lumley, Dale, PHD	Adjunct Faculty
Maggio, Mary Jo, M.ED	Adjunct Faculty
Markowitz, Lee J., PHD	Associate Professor

Mathews, George, MBA	Adjunct Faculty
Mathieson, Amanda Meade	Adjunct Faculty
Mathis, Shannon	Adjunct Faculty
McKeown, Michael	Adjunct Faculty
McMahon, Diane, PHD	Adjunct Faculty
Miljus, Tracy Lynn	Adjunct Faculty
Miller, Cynthia A	Adjunct Faculty
Mogesa, Benjamin, PHD	Assistant Professor
Mohr, Eric, PHD	Adjunct Faculty
Mueller, Sheila K., MBA	Professor
Muniain, Jose	Adjunct Faculty
Munshaw, Suzanne	Adjunct Faculty
Muth, Dina, MBA	Assistant Professor
Napoli, Danielle Marie	Adjunct Faculty
Noakes, Michaela Ann, EDD	Associate Professor
Novak, Phillip Richard	Adjunct Faculty
O'Grady, Ryan, PHD	Associate Professor
Oppenheimer, Rachel, PHD	Adjunct Faculty
Palmer, Thomas, BS	Adjunct Faculty
Parker, Kathleen, PHD	Adjunct Faculty
Pascarella, Sydney	Adjunct Faculty
Paskorz, Kalee Darlene	Adjunct Faculty
Pavolko, Taylor Ann, MA	Adjunct Faculty
Peck, Andrea W., EDD	Assistant Professor
Platt, Linda Jordan, PHD	Professor
Podnar, Thomas George	Adjunct Faculty
Prise, Deborah S., MBA	Adjunct Faculty
Puglisi, Joseph J., MBA	Associate Professor
Reed, William Emerson,, III, MAST	Adjunct Faculty
Riviello, Kimberly A, DNP	Adjunct Faculty
Rowe, Gail E., PHD	Professor
Rugg, Natalie C., PHD	Associate Professor
Russell, Leslie L.	Adjunct Faculty
Sakino Spears, Nancy Joann	Adjunct Faculty
Sarwar, Sohel Muhammad, MAST	Assistant Professor
Schwanbeck, Andrew Terry, MFA	Associate Professor
Schwartz, Eric D., JD	Adjunct Faculty
Sethi, Rishi S	Adjunct Faculty
Shaler, Nancy Kristen	Adjunct Faculty
Sheffler, Sean E, BA	Adjunct Faculty
Shimko, Emily, EDD	Assistant Professor
Shuttlesworth, Mary E, PHD	Assistant Professor
Silvis, Kathryn, DED	Professor
Smith, Angela K, DNP	Assistant Professor
Smith, Brian Thomas, PHD	Professor
Smith-Hodgin, Ann, DNP	Assistant Professor
Snyder, Norman Wade	Adjunct Faculty
Sproull, Frederick A., PHD	Associate Professor
Stankowski, Edward, MFA	Professor
Steen, Mark, PHD	Adjunct Faculty
Szuminsky, Brandon James	Adjunct Faculty
Tajuddin, Azlan, PHD	Professor
Terzian, Elizabeth Rose	Adjunct Faculty
Throm, Katy Jo	Adjunct Faculty
Tracy, Emily Frances, MSN	Adjunct Faculty
Turner, Sarah	Adjunct Faculty
Unger, Christina Marie	Adjunct Faculty
Vetica, Melody, DNP	No rank
Villella, Lauren Anne	Adjunct Faculty
Vincent, Anthony J.	Adjunct Faculty
Vinski, Michael M	Adjunct Faculty
Vogt, Albert F	Adjunct Faculty
Werner, John K., BS	Adjunct Faculty
Whitacre, Denise	Adjunct Faculty
White, Sarah D.	Adjunct Faculty
White, Thomas E.	Adjunct Faculty
Whiteman, Leona, MAST	Adjunct Faculty
Whitlatch, Margaret A.	Adjunct Faculty
Whittenberger, Brett Wesley	Adjunct Faculty
Winterhalter, Dana, BS	Adjunct Faculty
Wittebort, Christine K., DNAP	No rank
Yaklich-Miller, Christine J, M.ED	Adjunct Faculty

Yeasted, Rita Marie, PHD	Adjunct Faculty
Young, Michael W., PHD	Adjunct Faculty
Zehnder, Kayla, MSN	Assistant Professor
Zuri, William L	Adjunct Faculty

La Roche University

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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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Gregory K. Simakas, CIMA	Senior Vice President Graystone Consulting
Sister Ana Lydia Sonera Matos, CDP	Provincial Councillor Sisters of Divine Providence
Richard A. Zappala (Emeritus)	Chairman (Retired) First City Company

La Roche University Core Curriculum

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

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 MATH1002 - Foundations of Quantitative Reason.
- ISTC 1010 - Digital Literacy
- SPCH1010 - 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 two courses: LRUX1001 (1 credit) and LRUX2500 (3 credits). LRX introduces you to the history of the University, its Catholic heritage and its founders, the Sisters of Divine Providence. By understanding the principles of peace and justice, you'll understand your role in a larger community, which prepares you to easily step into today's competitive, global marketplace. Associate degree students, degree-completion students and adult learners are exempt from this requirement.

Core Waivers

- Students entering La Roche with 60 - 89 transferrable credits will be exempt from the 3 credits of core elective and LRX.
- Students who enter La Roche with 90 transferrable credits will be waived from: the 3 credits of core elective, LRX, and INQU
- Adult students (age 25 or older at the point of admission), 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.

Core Curriculum

Breadth of Knowledge - Global Perspectives

CMET2003	Communication Between Cultures
ENGL2015	Issues and Debates Across Cultures
ENGL2016	The Holocaust in Literature and Film
ENGL2022	World Literature II
ENGL2047	Writing and Singing the Blues: Pan African-Amer Lit and Music
GEOG2011	World Geography
HIST1013	Western Civilization I
HIST1014	Western Civilization II
HIST2000	Britain and Its Empire
HSCU2016	Global Health Care
INST2011	World Geography
INST2013	Intro to International Studies
INST2013H	Intro to International Studies - Honors
MLFR1001	Elementary French I
MLFR1002	Elementary French II
MLSP1001	Elementary Spanish I
MLSP1002	Elementary Spanish II
POLI3055	Today's Global Wars

Breadth of Knowledge - Human Expression

DSGN1013	Intro to Photography
DSGN1015	The Aesthetic Experience of Color
DSGN2001	The Creative Process
DSGN2001H	The Creative Process - Honors
DSGN2002	Art in Everyday Life
DSGN2003	Exploring Art
DSGN2005	Digital Fine Arts
ENGL1002	Sing and Praise: Contemporary Poetry
ENGL2002	Dramatic Literature
ENGL2008	Contemporary Literature
ENGL2017	Shakespeare on Film
ENGL2018	The Fire and the Rose: Religious World Poetry
ENGL2021	World Literature I
ENGL2036	American Multicultural Lit
ENGL2039	Modern American Literature
ENGL2042	Science Fiction
ENGL3047	Theater in the City
FILM1025	Film and Visual Storytelling
GCDN2005	Digital Fine Arts
PART1001	Music Appreciation I
PART1002	Music Appreciation II
PART1022	Fundamentals of Music I
PART1045	History of Rock and Roll
PART1055	History of Musical Theater

Breadth of Knowledge - Natural and Physical World

BIOL1001	Life Science
BIOL1007	Intro to Biology: Bugs and Brew
CHEM1006	Intro to Chemistry: Braving the Elements
CHEM1006H	Intro to Chemistry: Braving the Elements - Honors
CHEM1007	Principles of Chemistry I
CSCI1002	Intro to Computer Science
CSCI1003	Intro to Computer Science: Bits, Bytes and Beyond
HSCU1010	Health and Wellness
NSCI1001	The Natural Sciences
PHYS1006	Intro to Physical Science - Motion, Matter and Mind

Breadth of Knowledge - Social Sciences

CMET1001	Human Communication
CMET1001H	Human Communication - Honors
CRIM1002	International Justice Systems

CRIM2006	The Rule of Law
EXSP2015	Social & Political Aspects of Health & Wellness
HIST1015	History of the World
HIST1016	Social Dynamics of U.S. History
HIST3002	History of European Diplomacy
HSCU2015	Social and Political Aspects of Health and Wellness
POLI2002	Multicultural History of the U.S.
POLI3002	History of European Diplomacy
POLI3030	Comparing Democracies
POLI3032	Comparative Public Policy
SOCL1021	Race, Class and Gender: Intro to Sociology
SOCL1034	Race and Ethnicity
SOCL1034H	Race and Ethnicity – Honors
SOCL2070	Culture and Human Societies

Breadth of Knowledge - Values and Ethics

ENGL2035	Moral of the Story
PHIL1018	Understandings of the Human Person
PHIL1021	Intro to Philosophy
PHIL2026	Ethics
PHIL2026H	Ethics - Honors
RELS1001	Old Testament
RELS1002	New Testament
RELS1002H	New Testament - Honors
RELS1003	World Religions
RELS1003H	World Religions - Honors
RELS1004	The Bible As Literature
RELS1019	Conscience and Free Will
RELS1020	The Bible As a Book of Social Justice

Depth of Knowledge - Interdisciplinary Inquiry

INQU3001	Media and Democracy
INQU3002	Animal Rights
INQU3003	War in Film and Literature
INQU3004	Crime, Terror and the Environment - A Global Perspective
INQU3005	Why We Fight: Historical Conflict in Fact, Fiction and Film
INQU3007	Game Studies
INQU3013	American Justice
INQU3015	Early Canadian History and Tales
INQU3016	The Holocaust and Modern Genocide
INQU4001	The Clash of Conscience and Conventions in Literature and Film
INQU4001H	The Clash of Conscience and Conventions in Literature and Film - Honors
INQU4003	Virtual Communities and Social Media
INQU4017	Diseases That Changed the World
INQU4019	Galapagos Islands Communities
INQU4025	Women Across Cultures

Design Division

Programs of Study

Majors	
Film	BA
Graphic Design	Other
Interior Architecture & Design	Other
Minors	
Film Minor	Other
Graphic Design Minor	Other
History of Visual Arts Minor	Other
Photography Minor	Other
Web Design and Development Minor	Other

Detail - Design Division

Film

The film program provides students with a well-rounded education emphasizing the aesthetic, social and cultural aspects of film. Students will apply theoretical and comparative concepts of film analysis as they create their own films throughout the program, moving through training in all stages of film production and exploring the most recent technological advances in visual media. In line with the University's Mission, utmost importance is placed on an education that will ultimately empower graduates to effectively use film and visual storytelling as a means to shape culture and affect positive change in society.

Students are encouraged to add a minor in one of several related disciplines, including Photography, Game Studies, Marketing, or further concentrate their interests in film analysis or through innovative approaches to filmmaking

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

- 47-49 credits as listed under "Major Component/Requirements"
- 15 credits as listed under Major Electives
- 37 CORE credits
- 19-21 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.)

Film Major Course Requirements: 47-49 credits

Human Communication	CMET1001
Creative Writing	ENGL2040
Film Production I	FILM1020
Film & Visual Storytelling	FILM1025
International Film History	FILM2010
Film Theory & Analysis	FILM2015
Filmmaking for Social Change	FILM2020
Film Production II	FILM2030
Introduction to Screenwriting	FILM2045
Film Production III	FILM3015
Film Production IV	FILM4010
Film Capstone Pre-Production	FILM4045
Film - Internship	FILM4051
Film Capstone Project	FILM4055
Digital Photography	GCDN2016
Digital Photography IV	GCDN4028
Study Abroad/Study USA Course	SASUxxxx
Culture & Human Societies	SOCL2070

Film Major Electives: 15 credits

Mass Media & Digital Communication	CMET1002
Communication in Organizations	CMET2001
Communication Between Cultures	CMET2003
Communication Theory, Research & Criticism	CMET2005
New Media & Digital Communication Technology	CMET3002

Legal Issues of Media & Digital Communications	CMET4001
Gamification	CMET4005
Writing for Advertising	ENGL3034
Writing for Broadcast and Social Media	ENGL3035
Writing the Television Pilot	FILM2025
Drones for Photo & Film	FILM2035
Filmmaking for the Web	FILM2040
Digital Image Making I	GCDN1070
Digital Image Making II	GCDN1071
Typography I	GCDN2012
User Experience Design I	GCDN2029
Digital Photography II	GCDN2042
Digital Photography III	GCDN3012
Photography-Special Topics	GCDN3040
User Experience Design II	GCDN3045
Portfolio Review	GCDN4060
Game Studies	INQU3007
Advertising & Public Relations	MRKT2007
Buyer Behavior	MRKT3012
Marketing Research	MRKT3033
Internet Marketing	MRKT3050
Marketing Strategy	MRKT4014

Graphic Design

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 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 Lisa Kamphaus, Graphic

Design Department chair, to set up a meeting to review and evaluate their coursework. After both 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: 72 credits

History of Art I: Prehistoric to Gothic	ARTH1017
History of Art II: Renaissance to Modern	ARTH1018
History of Graphic Design	ARTH2002
History of Contemporary Art	ARTH3020
Drawing I	GCDN1023
Foundation Design I	GCDN1060
Foundation Design II	GCDN1062
Digital Image Making I	GCDN1070
Digital Image Making II	GCDN1071
Digital Publication and Pre-Press	GCDN2008
Typography I	GCDN2012
Digital Photography	GCDN2016
Graphic Design I	GCDN2021
User Experience Design I	GCDN2029
Typography II	GCDN3022
Graphic Design II	GCDN3031
Graphic Design III	GCDN3041
User Experience Design II	GCDN3045
Multimedia	GCDN3046
Professional Practices for Graphic Designers	GCDN3055
Senior Design Capstone	GCDN4041
Graphic Design Internship I	GCDN4051
Senior Design Seminar	GCDN4055
Portfolio Preparation	GCDN4058

Major Electives: 15 credits

New Media & Digital Communication Technology	CMET3002
Technical Writing	ENGL2030
Writing for Advertising	ENGL3034
Illustration	GCDN2038
Word & Image	GCDN2040
Digital Photography III	GCDN3012
Package Design	GCDN3043
Environmental Graphic Design	GCDN3053
Digital Branding	GCDN3060
Special Topics	GCDN4050
Graphic Design Internship II	GCDN4052
Advertising & Public Relations	MRKT2007
Buyer Behavior	MRKT3012
Brand Managment	MRKT4016

Interior Architecture & Design

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 with a life-long desire to remain current in the profession and be advocates for design excellence, thereby promoting 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 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 http://intranet.laroche.edu/sci/overview.cfm. These requirements are updated annually in the summer.

The Council for Interior Design Accreditation has granted accreditation to the La Roche University Interior 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) and in the International Interior Design Association (IIDA) is available to all design majors.

Interior Architrecture & Design Portfolio Review
To advance in the curriculum, Interior Architecture & Design majors are required to present a portfolio of their work to the faculty at two key

points in their education:

1. Freshman Review
Students submit work for Freshman Review after completing IDSN1020, IDSN1021, and IDSN1062 with grades of "C" or above. Students may advance to IDSN2038a Interior Studio II only after completing the Advisory Review process. Freshman Review results in one of three recommendations:

- to continue in interior architecture & design;
- to continue in interior architecture & design with stated reservations and recommended action; or
- to change majors before the next academic term

2. Sophomore Review
Students submit work for Sophomore Review after completing IDSN2038b and four of the following five courses with grades of "C" or above: IDSN1023, IDSN2015, IDSN2044, IDSN2045 and IDSN2046.

Exception: Students in the Three-Year Accelerated Curriculum must pass IDSN2038a and IDSN2038b and five of the following six courses with grades of "C" or above: IDSN1023, IDSN2015, IDSN2037, IDSN2044, IDSN2045, and IDSN3040.

Students may advance to IDSN3028a Interior Studio III only after successfully completing the Sophomore Review process. Sophomore Review results in one of three decisions:

- student is invited to continue to major in interior architecture & design;
- student is required to repeat IDSN2038b Interior Studio II the next semester, and submit work for Sophomore Review again (note: this option may only be offered once); or
- student is required to change majors before the beginning of the next term.

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.)

A Five-Year Extended Curriculum has been created for students who wish to pursue a minor (e.g., psychology, management, etc.) or for those who enter with test scores that indicate an extended curriculum would be beneficial. Additionally, a Three-Year Accelerated Curriculum has been developed for mature students who transfer a significant number of credits (generally 30 or more) from another institution. Admittance into the Three-Year Accelerated Curriculum is by invitation only. All curriculum alternatives include the same interior design course work. Information about these various ways of completing the curriculum is available in the Interior Architecture & Design Department.

Art History Course: 3 credits: Choose 1

History of Art II: Renaissance to Modern	ARTH1018
History of Contemporary Art	ARTH3020
Study of Great American Houses	IDSN3015

Business-Related Elective: 3 credits: Choose 1

Accounting Elective	ACCTXXXX
Administration & Managment Elective	ADMGXXXX
Finance Elective	FINCXXXX
Marketing Elective	MRKTXXXX

Interior Architecture & Design - Major Electives: 9 credits: Choose 3

Art History Elective	ARTHXXXX
Design Elective	GCDNXXXX
Photography for Interiors	IDSN2035
Furniture & Custom Detailing	IDSN2048
Sustainable Building Practices	IDSN3050
Kitchen & Bath Design	IDSN3055
Advanced Ideas Seminar in Interior Design	IDSN3059
Advanced Computer Modeling & Rendering I	IDSN3062
Directed Professional Experience	IDSN4000
Special Topics in IAD	IDSN4050

Independent Study - Interior Design	IDSN4057

Interior Architecture & Design Major Requirements: 78 credits

Interior Graphics I	IDSN1011
Interior Studio I (A)	IDSN1020A
Interior Studio I (B)	IDSN1020B
Drawing I	IDSN1023
Foundation Design I	IDSN1060
Foundation Design II	IDSN1062
Computer Graphics for Interiors	IDSN2015
History of Interior Design & Architecture I	IDSN2032
Textiles for Interiors	IDSN2037
Interior Studio II(A)	IDSN2038A
Interior Studio II(B)	IDSN2038B
History of Interior Design & Architecture II	IDSN2039
Building Technology I: Construction Systems	IDSN2044
Architectural Rendering	IDSN2045
Building Technology II: Finish Materials	IDSN2046
Interior Studio III (A)	IDSN3028A
Interior Studio III (B)	IDSN3028B
History of Interior Design & Architecture III	IDSN3032
Building Technology III: Lighting & Electrical Systems	IDSN3040
Building Technology IV: Control Systems	IDSN3041
Business Practices for Interior Design	IDSN4041
Contract Documents	IDSN4042
Interior Design - Internship I	IDSN4051
Portfolio Preparation	IDSN4058
Senior Design Seminar I	IDSN4059
Senior Design Seminar II	IDSN4060

Film Minor

The film minor will allow students across the university to learn the basic essentials in film and choose among some electives. Students pursuing a minor in film will acquire skills that ensure they are familiar with visual storytelling, cinematography, sound design, lighting, and editing. Students will learn video, sound, and editing skills that are applicable to a number of majors and career options induci.ng design, photography, business, marketing, and communications. Students who complete the minor will be able to create short video and sound pieces for any work and artistic environment.

REQUIREMENTS: To successfully complete the Film Minor, 18 credits in the following coursework is required:

- 12 credits as listed under “Minor Requirements”
- 6 credits Minor Electives

Film Minor Electives: 6 credits: Choose 2

International Film History	FILM2010
Film Theory & Analysis	FILM2015
Filmmaking for Social Change	FILM2020
Filmmaking for the Web	FILM2040
Introduction to Sound	FILM2050

Film Minor Requirements: 12 credits

Film Production I	FILM1020
Film & Visual Storytelling	FILM1025
Film Production II	FILM2030
Introduction to Screenwriting	FILM2045

Graphic Design 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: 9 credits

Digital Image Making I --OR-- DSGN2005 Intro to Design & Image Making	GCDN1070
Digital Image Making II	GCDN1071
Typography I	GCDN2012

Sequence A & B: Minor Electives: 3 Credit - Choose one course:

Digital Photography	GCDN2016
Illustration	GCDN2038
Multimedia	GCDN3046
Digital Branding	GCDN3060

Sequence A: Traditional Focus: 6 credits

Digital Publication and Pre-Press	GCDN2008
Graphic Design I	GCDN2021

Sequence B: Digital Focus: 6 credits

User Experience Design I	GCDN2029
User Experience Design II	GCDN3045

Sequence C: For Interior Design Majors: 9 credits

Digital Publication and Pre-Press	GCDN2008
Graphic Design I	GCDN2021
Environmental Graphic Design	GCDN3053

History of Visual Arts 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: 6 Credits

History of Art I: Prehistoric to Gothic	ARTH1017
History of Art II: Renaissance to Modern	ARTH1018

Track 1: Minor Electives - Choose 1 course: 3 Credits

Introduction to Photography	DSGN1013
The Aesthetic Experience of Color	DSGN1015
Drawing I	GCDN1023
Digital Fine Arts	GCDN2005

Track 1: Minor Electives - Choose 3 courses: 9 Credits

History of Graphic Design	ARTH2002
History of Film	ARTH3016
History of Contemporary Art	ARTH3020
History of Interior Design & Architecture I	IDSN2032
History of Interior Design & Architecture II	IDSN2039
History of Interior Design & Architecture III	IDSN3032

History of Rock and Roll	PART1045
Dance History I	PART2010
Dance History II	PART2015
History of Musical Theater	PART2025

Track 2: For Graphic Design Majors - Required Courses: 6 Credits

History of Art I: Prehistoric to Gothic	ARTH1017
History of Art II: Renaissance to Modern	ARTH1018

Track 2: Minor Electives - Choose 1 course: 3 Credits

The Aesthetic Experience of Color	DSGN1015
Digital Fine Arts	GCDN2005

Track 2: Minor Electives - Choose 3 courses: 9 Credits

History of Interior Design & Architecture I	IDSN2032
History of Interior Design & Architecture II	IDSN2039
History of Interior Design & Architecture III	IDSN3032
History of Rock and Roll	PART1045
Dance History I	PART2010
Dance History II	PART2015
History of Musical Theater	PART2025

Track 3: For Interior Design Majors - Required Courses: 6 credits

History of Interior Design & Architecture I	IDSN2032
History of Interior Design & Architecture II	IDSN2039

Track 3: Minor Electives - Choose 1 course: 3 Credits

Introduction to Photography	DSGN1013
The Aesthetic Experience of Color	DSGN1015
Digital Fine Arts	GCDN2005

Track 3: Minor Electives - Choose 3 courses: 9 Credits

History of Graphic Design	ARTH2002
History of Film	ARTH3016
History of Rock and Roll	PART1045
Dance History I	PART2010
Dance History II	PART2015
History of Musical Theater	PART2025

Photography 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: 15 credits

Digital Photography	GCDN2016
Digital Photography II	GCDN2042
Digital Photography III	GCDN3012
Photography-Special Topics	GCDN3040
Digital Photography IV	GCDN4028

Web Design and Development Minor

The Web Design and Development Minor combines the best of the Graphic and Communication Design, Information Technology and Marketing departments to provide a well-balanced overview of both programming and design. There are two distinct programs for this minor:

1. for students enrolled as Graphic and Communication Design major
2. for students enrolled in Information Systems Technology and all other majors on campus

To successfully complete the Web Design and Development Minor students will complete a minimum of **15** credits and maintain GPA of **2.0** in their minor coursework.

Note: Students enrolled in this minor will be required to purchase or have access to their own specific URL and complete access to administering the URL. The student must maintain and keep the URL active during the life of their minor coursework.

Minor Electives (All Majors Except GCD): Select 3 credits

Fundamentals of Electronic Publishing	GCDN1025
Distance Learning & IT Support	ISTC2025
Data Base Management Systems	ISTC2045
Web Page Usability & Programming	ISTC3008
Human Computer Interaction	ISTC3015
Linux	ISTC3030
Computer Programming in Java	ISTC3034
Advanced Data Base Management Concepts	ISTC3046
Internet Marketing	MRKT3050

Minor Electives (GCD Majors): Select 12 credits

Distance Learning & IT Support	ISTC2025
Data Base Management Systems	ISTC2045
Web Page Usability & Programming	ISTC3008
Human Computer Interaction	ISTC3015
Linux	ISTC3030
Computer Programming in Java	ISTC3034
Advanced Data Base Management Concepts	ISTC3046
Internet Marketing	MRKT3050

Minor for Graphic and Communication Design Majors: Minor Electives-Select 12 credits (ISTC2045 or CSCI2055 AND ISTC3034 or CSCI1010)

Programming I	CSCI1010
Database Systems Theory	CSCI2055
Distance Learning & IT Support	ISTC2025
Data Base Management Systems	ISTC2045
Web Page Usability & Programming	ISTC3008
Human Computer Interaction	ISTC3015
Linux	ISTC3030
Computer Programming in Java	ISTC3034
Advanced Data Base Management Concepts	ISTC3046
Internet Marketing	MRKT3050

Minor for Graphic and Communications Majors: Minor Requirements- 3 credits

Scripting for the Web	ISTC3028

Minor for Other Majors: Minor Electives-Select 3 credits (ISTC2045 or CSCI2055 AND ISTC3034 or CSCI1010)

Programming I	CSCI1010
Database Systems Theory	CSCI2055
Fundamentals of Electronic Publishing	GCDN1025
Distance Learning & IT Support	ISTC2025
Data Base Management Systems	ISTC2045
Web Page Usability & Programming	ISTC3008
Human Computer Interaction	ISTC3015
Linux	ISTC3030
Computer Programming in Java	ISTC3034
Advanced Data Base Management Concepts	ISTC3046
Internet Marketing	MRKT3050

Minor for Other Majors: Minor Requirements-12 credits

Web Graphics I	GCDN1080
Web Graphics II	GCDN2080

Multimedia	GCDN3046
Scripting for the Web	ISTC3028

Required Courses (All Majors Except GCD): 12 Credits

Web Graphics I	GCDN1080
User Experience Design I	GCDN2029
Web Graphics II	GCDN2080
Scripting for the Web	ISTC3028

Required Courses (GCD Majors): 3 credits

Scripting for the Web	ISTC3028

Education & Nursing Division

Programs of Study

Majors	
Middle Level Education: English/Language Arts and Reading	BA
Middle Level Education: Mathematics	BA
Middle Level Education: Science	BA
Middle Level Education: Social Studies	BA
Nursing - RN to BSN Degree Completion Program	BSN
PreK-12 Special Education	BA
PreK-4 Education	BA
PreK-4 Education with PreK-12 Special Education	BA
Minors	
Education Minor	Other
Certificate Programs	
Advanced Studies in Autism Certificate	Other
Clinical Nurse Leader Post Master's Certificate	Certificate
Nursing Administration Post Master's Certificate	Certificate
Nursing Education Post Master's Certificate	Certificate
Graduate Programs	
Entry Level Master of Science in Nursing	
Master of Arts in Teaching	
Master of Science in Nursing	
Master of Science in Nursing - Clinical Nurse Leader (CNL)	
Master of Science in Nursing - Nursing Administration	
Master of Science in Nursing - Nursing Education	
Concentration	
7-12 Special Education Certification	Certificate
Autism Spectrum Disorder Endorsement Certification	Certificate
PreK-8 Special Education Certification	Certificate

Detail - Education & Nursing Division

Middle Level Education: English/Language Arts and Reading

A major in Middle Level English/Language Arts and Reading Education is meant to prepare students for a career as a highly qualified teacher in Pennsylvania, skilled to teach any core subject at the 4th-6th grade level and skilled to teach English/Language Arts and Reading at the 7th-8th grade level. To earn state teaching certification, students must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education.

REQUIREMENTS: To successfully complete the Middle Level Education Major in English/Language Arts and Reading, the following coursework is required:

- 69 credits of Education Requirements
- 15 credits of English Electives
- 37 CORE credits
- A minimum number of 121 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 (ELA): 33 credits

Foundations of Middle Level Education	EDML2000
Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
English Language Learners in the Multicultural Classroom	MLED2000
Intro to Psychology	PSYC1021
Adolescent Development	PSYC2040
Educational Psychology	PSYC2061

Education Requirements (ELA): Official Major Status Required: 33 credits

ML Student Teaching (Grades 4-6)	EDML4050
ML Student Teaching (Grades 7-8)	EDML4055
Literacy Instruction and Interventions for Diverse Learners	EDSP3010
Evaluation & Assessment	EDSP3040
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Intermediate Literacy Methods & Practicum	EDUC3020
Intermediate Math Methods & Practicum	EDUC3025
Inquiry Based Science Methods & Practicum	EDUC3030
Educational Partnerships & Professionalism	EDUC4005

English Electives: Choose five: 15 credits (not to include ENGL1011 or 1012)

ENGL Elective	ENGLXXXX

History Requirement: Choose One: 3 credits

U.S. History: The Foundation of a Republic (1600-1865)	HIST1010
U.S. History: The Emergence of a Mass Democracy (1865-1945)	HIST1011

Middle Level Education: Mathematics

A major in Middle Level Mathematics Education is meant to prepare students for a career as a highly qualified teacher in Pennsylvania, skilled to teach any core subject at the 4th-6th grade level and skilled to teach mathematics at the 7th-8th grade level. To earn state teaching certification, students must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education.

REQUIREMENTS: To successfully complete the Middle Level Education Major in Mathematics, the following coursework is required:

- 69 credits of Education Requirements
- 15 credits of Math Electives
- 37 CORE credits
- A minimum number of 121 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 (Math): 33 credits

Foundations of Middle Level Education	EDML2000
Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025

Mathematics for the Liberal Arts	MATH2000
English Language Learners in the Multicultural Classroom	MLED2000
Intro to Psychology	PSYC1021
Adolescent Development	PSYC2040
Educational Psychology	PSYC2061

Education Requirements (Math): Official Major Status Required: 33 credits

ML Student Teaching (Grades 4-6)	EDML4050
ML Student Teaching (Grades 7-8)	EDML4055
Literacy Instruction and Interventions for Diverse Learners	EDSP3010
Evaluation & Assessment	EDSP3040
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Intermediate Literacy Methods & Practicum	EDUC3020
Intermediate Math Methods & Practicum	EDUC3025
Inquiry Based Science Methods & Practicum	EDUC3030
Educational Partnerships & Professionalism	EDUC4005

History Requirement: Choose One: 3 credits

U.S. History: The Foundation of a Republic (1600-1865)	HIST1010
U.S. History: The Emergence of a Mass Democracy (1865-1945)	HIST1011

Math Electives: Choose from MATH &/or CSCI courses: 15 credits

Computer Science Elective	CSCIXXXX
Math Elective	MATHXXXX

Middle Level Education: Science

A major in Middle Level Science Education is meant to prepare students for a career as a highly qualified teacher in Pennsylvania, skilled to teach any core subject at the 4th-6th grade level and skilled to teach science at the 7th-8th grade level. To earn state teaching certification, students must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education.

REQUIREMENTS: To successfully complete the Middle Level Education Major in Mathematics, the following coursework is required:

- 69 credits of Education Requirements
- 15 credits of Science Electives
- 37 CORE credits
- A minimum number of 121 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 (Science): 33 credits

Foundations of Middle Level Education	EDML2000
Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
English Language Learners in the Multicultural Classroom	MLED2000
Intro to Psychology	PSYC1021
Adolescent Development	PSYC2040
Educational Psychology	PSYC2061

Education Requirements (Science): Official Major Status Required: 33 credits

ML Student Teaching (Grades 4-6)	EDML4050
ML Student Teaching (Grades 7-8)	EDML4055
Literacy Instruction and Interventions for Diverse Learners	EDSP3010
Evaluation & Assessment	EDSP3040
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Intermediate Literacy Methods & Practicum	EDUC3020
Intermediate Math Methods & Practicum	EDUC3025
Inquiry Based Science Methods & Practicum	EDUC3030
Educational Partnerships & Professionalism	EDUC4005

History Requirement: Choose One: 3 credits

U.S. History: The Foundation of a Republic (1600-1865)	HIST1010
U.S. History: The Emergence of a Mass Democracy (1865-1945)	HIST1011

Science Electives: Choose from BIOL/CHEM/PHYS Courses: 15 credits

Biology Elective	BIOLXXXX
Chemistry Elective	CHEMXXXX
Physics Elective	PHYSXXXX

Middle Level Education: Social Studies

A major in Middle Level Social Studies Education is meant to prepare students for a career as a highly qualified teacher in Pennsylvania, skilled to teach any core subject at the 4th-6th grade level and skilled to teach social studies at the 7th-8th grade level. To earn state teaching certification, students must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education.

REQUIREMENTS: To successfully complete the Middle Level Education Major in Mathematics, the following coursework is required:

- 69 credits of Education Requirements
- 15 credits of Social Studies Electives
- 37 CORE credits
- A minimum number of 121 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 (Social Studies): 33 credits

Foundations of Middle Level Education	EDML2000
Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
English Language Learners in the Multicultural Classroom	MLED2000
Intro to Psychology	PSYC1021
Adolescent Development	PSYC2040
Educational Psychology	PSYC2061

Education Requirements (Social Studies): Official Major Status Required: 33 credits

ML Student Teaching (Grades 4-6)	EDML4050
ML Student Teaching (Grades 7-8)	EDML4055
Literacy Instruction and Interventions for Diverse Learners	EDSP3010

Evaluation & Assessment	EDSP3040
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Intermediate Literacy Methods & Practicum	EDUC3020
Intermediate Math Methods & Practicum	EDUC3025
Inquiry Based Science Methods & Practicum	EDUC3030
Educational Partnerships & Professionalism	EDUC4005

History Requirement: Choose One: 3 credits

U.S. History: The Foundation of a Republic (1600-1865)	HIST1010
U.S. History: The Emergence of a Mass Democracy (1865-1945)	HIST1011

Social Studies Electives: Choose from HIST/GEOG/POLI courses: 15 credits

Geography Elective	GEOGXXXX
History Elective	HISTXXXX
Any Approved Political Science Course	POLIXXXX

Nursing - RN to BSN Degree Completion Program

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. (ACEN), formerly the National League of Nursing Accrediting Commission (NLNAC), 3343 Peachtree Road NE, Suite 500, 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):

Microbiology for Health Sciences	BIOL1015
Human Anatomy & Physiology I	BIOL1023
Human Anatomy & Physiology I-Lab	BIOL1023L
Human Anatomy & Physiology II	BIOL1024
Human Anatomy & Physiology II-Lab	BIOL1024L
Principles of Chemistry I	CHEM1007
Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012
Intro to Psychology	PSYC1021
Race, Class, Gender: An Introduction to Sociology	SOCL1021

Liberal Arts Component: 30 credits

Fundamentals of Management	ADMG1018
Literature Elective	ENGLXXXX
History Elective	HISTXXXX
Digital Literacy	ISTC1010
Statistics in Healthcare	MATH1004
Introduction to Philosophy	PHIL1021
Biomedical Ethics	PHIL3027

Nursing Component Required Courses: 18 credits

Leadership in Nursing Practice	NURU3021
Evidence Based Practice & Nursing Research	NURU3023
Health Promotion, Disease & Illness Prevention & Health Education in Nursing Practice	NURU3030
Quality & Safety in Healthcare & Nursing Practice	NURU3035
Intro to Health Policy	NURU3036
Community Nursing	NURU4021

Nursing Component: Select 12 credits from the following electives

Health Care for Older Adults	NURU3028
Introduction to Nursing Informatics	NURU4012
Current Issues in Nursing	NURU4020
Alternative/ Comp Therapies	NURU4024
Ethical and Legal Aspects in Professional Nursing Practice	NURU4026
Health Care for Women	NURU4027
Palliative and End of Life Nursing Care	NURU4032
Health Care for Men	NURU4037

PreK-12 Special Education

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:

- 75 credits of Required Coursework
- 37 CORE Credits
- 8 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.

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: 32 credits

Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Intro to Low Incidence Disabilities	EDSP3015
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
English Language Learners in the Multicultural Classroom	MLED2000
Intro to Psychology	PSYC1021
Child Development	PSYC2022
Educational Psychology	PSYC2061

Education Requirements: Official Major Status Required: 43 credits

Literacy Instruction and Interventions for Diverse Learners	EDSP3010
Effective Instructional Strategies for Students with Disabilities	EDSP3025
Special Education Practicum	EDSP3035
Evaluation & Assessment	EDSP3040
Transition Planning for Secondary Students with Disabilities	EDSP4010
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Special Ed Student Teaching and Seminar (PK-12)	EDSP4070
Primary Literacy Methods & Practicum	EDUC3005
Primary Math Methods & Practicum	EDUC3010
Intermediate Literacy Methods & Practicum	EDUC3020
Intermediate Math Methods & Practicum	EDUC3025
Educational Partnerships & Professionalism	EDUC4005

PreK-4 Education

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 Check
- Basic Skills Requirement
  - Passing scores for Reading, Writing, and Math exams (could include eligible scores from SAT, ACT, PAPA, and CORE)

Education Requirements: 39 credits

Orientation to PreK-4 Education	EDEL2000
Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Integrating the Arts Throughout the Curriculum	EDUC2015
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Integrating Health and Wellness Throughout the Curriculum	EDUC2030
Mathematics for the Liberal Arts	MATH2000

English Language Learners in the Multicultural Classroom	MLED2000
Intro to Psychology	PSYC1021
Child Development	PSYC2022
Educational Psychology	PSYC2061
Family Relations	SOCL3027

Education Requirements: Official Major Status Required: 40 credits

Student Teaching and Seminar (PK-4)	EDEL4075
Literacy Instruction and Interventions for Diverse Learners	EDSP3010
Evaluation & Assessment	EDSP3040
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Primary Literacy Methods & Practicum	EDUC3005
Primary Math Methods & Practicum	EDUC3010
Intermediate Literacy Methods & Practicum	EDUC3020
Intermediate Math Methods & Practicum	EDUC3025
Inquiry Based Science Methods & Practicum	EDUC3030
Educational Partnerships & Professionalism	EDUC4005

PreK-4 Education with PreK-12 Special Education

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: 43 credits

Orientation to PreK-4 Education	EDEL2000
Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Intro to Low Incidence Disabilities	EDSP3015
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Integrating the Arts Throughout the Curriculum	EDUC2015
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Integrating Health and Wellness Throughout the Curriculum	EDUC2030
Mathematics for the Liberal Arts	MATH2000
English Language Learners in the Multicultural Classroom	MLED2000
Intro to Psychology	PSYC1021
Child Development	PSYC2022
Educational Psychology	PSYC2061
Family Relations	SOCL3027

Education Requirements: Official Major Status Required: 46 credits

Student Teaching and Seminar (PK-4)	EDEL4075
Literacy Instruction and Interventions for Diverse Learners	EDSP3010
Effective Instructional Strategies for Students with Disabilities	EDSP3025
Special Education Practicum	EDSP3035
Evaluation & Assessment	EDSP3040
Transition Planning for Secondary Students with Disabilities	EDSP4010
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Special Ed Student Teaching and Seminar (PK-12)	EDSP4070

Primary Literacy Methods & Practicum	EDUC3005
Primary Math Methods & Practicum	EDUC3010
Intermediate Literacy Methods & Practicum	EDUC3020
Intermediate Math Methods & Practicum	EDUC3025
Inquiry Based Science Methods & Practicum	EDUC3030
Educational Partnerships & Professionalism	EDUC4005

Education 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 10 credits

Orientation to PreK-4 Education	EDEL2000
Foundations of Middle Level Education	EDML2000
Intro to Low Incidence Disabilities	EDSP3015
Integrating the Arts Throughout the Curriculum	EDUC2015
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Integrating Health and Wellness Throughout the Curriculum	EDUC2030
English Language Learners in the Multicultural Classroom	MLED2000
Exploring Global Educational Systems - Study Abroad	SASU3035
Family Relations	SOCL3027
Education & Society	SOCL3050

Minor Requirements: 11 credits

Introduction to High Incidence Disabilities	EDSP2015
Introduction to Education	EDUC1010
Initial Field Experience	EDUC2010
Educational Psychology	PSYC2061

Advanced Studies in Autism Certificate

PURPOSE: To provide post baccalaureate students, without a PA state certification in Education, the opportunity to develop skills and competencies in working with Persons with Autism Spectrum Disorders (ASD) and their families.

REQUIREMENTS: To successfully complete the Autism Spectrum Disorder Certificate Program, the following coursework is required:

- 12 credits of required coursework

Required Courses: 12 credits

Introduction to Education of Persons with Autism Spectrum Disorder	EDSP5040
Advanced Behavior Studies	EDSP5045
Communication & Social Skills Instruction for Persons with Autism Spectrum Disorder	EDSP5050
Advanced Topics for Persons with Autism Spectrum Disorder: Curriculum and Instruction	EDSP5055

Clinical Nurse Leader Post Master's Certificate

Post Master's Certificate: Clinical Nurse Leader Admission Criteria:

- Master of Science in Nursing degree from an accredited program
- GPA of 3.0 or better from Master's program

Successful completion of advanced pathophysiology, advanced pharmacology, and advanced physical assessment (or equivalent) with a 3.0 or higher in the last 5 years.

To successfully complete the Post Masters Certificate in Nursing Administration, the following coursework is required:

- 18 credits in Clinical Nurse Leader

Clinical Nurse Leader Required Courses: 18 credits

Foundations for Clincial Nurse Leader Role	NURG5023
Clinical Nurse Leader Practicum I	NURG5025
Role of the Clinical Nurse Leader in Healthcare Microsytems	NURG5027
Clinical Nurse Leader Practicum II	NURG5029

Nursing Administration Post Master's Certificate

Post Master's Certificate: Nursing Administration Admission Criteria:

- Master of Science in Nursing degree from an accredited program?
- GPA of 3.0 or better from Master's program?

To successfully complete the Post Masters Certificate in Nursing Administration, the following coursework is required:

- 15 credits in Nursing Administration

Nursing Administration Required Courses: 15 credits

Role Development for Nurs Mgmt and Exec Leadership	NURG5008
Financial Resource Management	NURG5010
Nursing Administration: Seminar and Practicum I	NURG5014
Creating a Professional Work Environment	NURG5018
Nursing Administration: Seminar and Practicum II	NURG5022

Nursing Education Post Master's Certificate

Post Master's Certificate: Nursing Education Admission Criteria:

- Master of Science in Nursing degree from an accredited program
- GPA of 3.0 or better from Master's program
- Successful completion of advanced pathophysiology, advanced pharmacology, and advanced physical assessment (or equivalent) with a 3.0 or higher in the last 5 years.

To successfully complete the Post Masters Certificate in Nursing Education, the following coursework is required:

- 13 credits in Nursing Education

Nursing Education Required Course: 13 credits

Educational Strategies in Nursing Education and Practice	NURG5011
Curriculum Design and Evaluation	NURG5015
Assessment and Evaluation of Learners	NURG5019
Nursing Education Practicum	NURG5021

Entry Level Master of Science in Nursing

La Roche University Entry Level Master of Science in Nursing (ELMSN) program is designed to offer second degree students the opportunity to enter the nursing profession. The ELMSN 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 Entry Level MSN establishes a foundation for graduates to complete a specialized, post-master’s certification program such as:

- Nursing Administration
- Nursing Education
- Clinical Nurse Leader

The Entry Level Master of Science in Nursing program (ELMSN) is approved by the PA State Board of Nursing and accreditation by the Accreditation Commission for Education in Nursing, INC. (ACEN) 3343 Peachtree Road NE, Suite 500, Atlanta GA 30326, 404-975-5000.

ADMISSION REQUIREMENTS FOR THE ELMSN PROGRAM

1. Baccalaureate degree from an accredited institution
2. Transcripts from educational institutions attended
3. Clearances (within 6, months Prior to admission)
4. Current American Heart Association (AHA) Basic Life Support training 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
- Nutrition
- Statistics
- Developmental Psychology

8. Due to the high-level language competency required in nursing, international applicants** must possess proficiency in English at a level to enable them to succeed in graduate level studies. All international applicants for the ELMSN program are required to submit results from either the Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS), or Duolingo English Test (DET). (effective Summer 2022).

    - Test of English as a Foreign Language (TOEFL): A minimum score of 100 is required. The expected breakdown is as follows: Reading 26, Listening 26, Speaking 25, Writing 25.
    - International English Language Testing System (IELTS): A minimum combined score of 7.0 is required with each subsection score of at least a 7.0.
    - Duolingo English Test (DET): A minimum score of 125 is required.

    **International applicants include those with English as an additional language and/or an applicant with a permanent resident card.

1st Semester: 15 credits

Professional Nursing Practice: Essentials	NURN5101
Professional Nursing Practice: Fundamentals	NURN5103
Professional Nursing Practice: Fundamentals-Clinical	NURN5103C
Essentials of Pharmacology	NURN5105
Essentials of Pharmacology-Lab/Simulation	NURN5105L
Inquiry and Evidence in Professional Nursing Practice	NURN5107

2nd Semester: 15 credits

Professional Nursing Practice: Adult I	NURN5109
Professional Nursing Practice: Adult I-Clinical	NURN5109C
Special Consideration in the Care of the Older Adult	NURN5111
Public Health and Epidemiology	NURN5113
Quality Improvement and Safety in Healthcare	NURN5115

3rd Semester: 16 credits

Professional Nursing Practice: Adult II	NURN5117
Professional Nursing Practice: Adult II-Clinical	NURN5117C
Professional Nursing Practice: Mental Health	NURN5119
Professional Nursing Practice: Mental Health-Clinical	NURN5119C
Research Methods	NURN5121

4th Semester: 16 credits

Comprehensive Pathophysiology	NURN5009
Professional Nursing Practice: Adult III	NURN5123
Professional Nursing Practice: Adult III-Clinical	NURN5123C
Professional Nursing Practice: Women and Children	NURN5125
Professional Nursing Practice: Women and Children-Clinical	NURN5125C
Health Promotion Across the Lifespan	NURN5127

5th Semester: 15 credits

Theory and Professional Nursing Practice	NURN5004
Comprehensive Pharmacology	NURN5007
Health Policy and Global Considerations	NURN5012
Professional Nursing Practice: Comprehensive Nursing Practicum	NURN5129
Professional Nursing Practice: Comprehensive Nursing Practicum-Clinical	NURN5129C
Nursing Leadership	NURN5131

Master of Arts in Teaching

The Master of Arts in Teaching (MAT) program is intended for individuals who have earned a bachelor's degree in any area and would like to earn initial teaching certification at the graduate level. The MAT program is meant to prepare graduate students for a career as a highly qualified teacher in Pennsylvania, skilled to teach any core subject at the 4th-6th grade level and skilled to teach a specific subject area (English/Language Arts and Reading; Mathematics, Science, or Social Studies) at the 7th-8th grade level. To earn state teaching certification, graduates of the MAT program must meet all of the teaching competencies and certification requirements set by the Pennsylvania Department of Education. MAT program completers will be eligible for Grades 4-8 Teaching Certification in Pennsylvania.

Requirements for Program Entry:

• BA or BS degree from an accredited college or university
• Minimum 3.0 overall undergraduate GPA
• Security Clearances within the past six months:
  o PA Child Abuse History Clearance
  o PA State Police Criminal Record Check
  o FBI Fingerprinting Check

Pre-requisite credits (18):

- 6 undergraduate credits in mathematics at or above College Algebra
- 6 undergraduate credits in English (3 credits in composition and 3 credits in literature)
- 3 credits of Educational Psychology or Developmental Psychology (Child/Adolescent)
- 3 credits of Meeting the Instructional Needs of English Language Learners (ELL) - MLED2000 at LRU
  - MLED2000 may be taken at La Roche during the first semester of the graduate program

Content specialization:
Passing score on 7th/8th grade content certification exam for Pennsylvania Middle Level Certification
--OR--
15 undergraduate and/or graduate credits within one of the following content areas:

- English/Language Arts/Reading (including English or Literature)
- Math (including Mathematics or Computer Science)
- Science (including Biology, Chemistry, Earth Science, or Physics)
- Social Studies (including History, Geography, or Political Science)

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

- 9 credits of Accommodations and Adaptations for Students with Disabilities in an Inclusive Setting
- 12 credits of Instructional Methods and Research
- 9 credits of Student Teaching

Graduate Course Requirements: 30 credits

Contemporary Issues in Education and Inclusive Practices	EDSP5010
Assessment for Data Based Instruction	EDSP5020
Literacy Instruction for Diverse Learners	EDSP6010
Characteristics of Effective Middle Level Instruction	EDUC5000
Creating Positive Learning Environments for Adolescents	EDUC5025
Instructional Strategies Across the Disciplines	EDUC6000
Professionalism and Action Research	EDUC6025
Middle Level Student Teaching	EDUC6050

Master of Science in Nursing - Clinical Nurse Leader (CNL)

Clinical Nurse Leader (CNL)

The 42-credit on-line graduate program* prepares students for an advanced practice role across the continuum of care within any healthcare setting. The program requires 400 practicum hours in the healthcare setting. The CNL was developed by AACN in collaboration with leaders from healthcare practice and education to address the critical need to improve the quality of patient care outcomes.

The CNL is a Master's prepared nurse and an advanced generalist who provides care at the point of care to patients, families, and communities. CNLs are responsible for management and coordination of comprehensive client care and function primarily in the microsystem.

The CNL is a leader in the healthcare delivery system in all settings in which healthcare is delivered. CNL practice will vary across settings. The CNL is not one of administration or management. The CNL assumes accountability for patient-care outcomes through the assimilation and application of evidence-based information to design, implement, and evaluate patient-care processes and models of care delivery. The CNL is a provider and manager of care at the point of care to individuals and cohorts of patients anywhere healthcare is delivered.

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

YEAR ONE - FALL SEMESTER: 9 credits

Research and Evidence Based Practice	NURG5002
Theory and Professional Nursing Practice	NURG5004
Healthcare Delivery Systems	NURG5006

YEAR ONE - SPRING SEMESTER: 10 credits

Comprehensive Pharmacology	NURG5007
Comprehensive Pathophysiology	NURG5009
Foundations for Clincial Nurse Leader Role	NURG5023

YEAR ONE - SUMMER SEMESTER: 8 credits

Health Policy and Global Considerations	NURG5012
Clinical Nurse Leader Practicum I	NURG5025

YEAR TWO - FALL SEMESTER: 7 credits

Role of the Clinical Nurse Leader in Healthcare Microsytems	NURG5027

YEAR TWO - SPRING SEMESTER: 8 credits

Clinical Nurse Leader Practicum II	NURG5029
Capstone Scholarly Experience	NURG6000

Master of Science in Nursing - Nursing Administration

Nursing Administration

The 36-credit **on-line graduate program*** in Nursing Administration prepares students for leadership positions in a variety of settings. The Nursing Administration specialization at La Roche University provides a unique opportunity for nurses to develop the specialized leadership skills required to be successful nurse leaders now and in the future. Today's health care environment requires strong leaders who can make a positive difference in organizational outcomes.

In the wake of a changing health care environment, the need for nursing leadership has continued to grow. Nursing roles are being redefined and expanded to include more managerial and administrative responsibilities. Leadership opportunities are extending beyond the traditional nursing setting. This specialty area prepares nurses to work effectively with other members of the health care team in the delivery of quality patient care. Students learn to analyze contemporary nursing leadership issues, to confidently participate in policy formation and decision making, and to gain valuable expertise in pertinent business disciplines. Courses required for the Nursing Administration Specialty are outlined below.

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

Nursing Administration Required Courses: 15 credits

Role Development for Nurs Mgmt and Exec Leadership	NURG5008

YEAR ONE - FALL SEMESTER: 9 credits

Research and Evidence Based Practice	NURG5002
Theory and Professional Nursing Practice	NURG5004
Healthcare Delivery Systems	NURG5006

YEAR ONE - SPRING SEMESTER: 9 credits

Organizational Behavior	HRMT5020
Role Development for Nurs Mgmt and Exec Leadership	NURG5008
Financial Resource Management	NURG5010

YEAR ONE - SUMMER SEMESTER: 3 credits

Health Policy and Global Considerations	NURG5012

YEAR TWO - FALL SEMESTER: 9 credits

Nursing Administration: Seminar and Practicum I	NURG5014
Managing Quality and Safety in Practice	NURG5016
Creating a Professional Work Environment	NURG5018

YEAR TWO - SPRING SEMESTER: 6 credits

Nursing Administration: Seminar and Practicum II	NURG5022
Capstone Scholarly Experience	NURG6000

Master of Science in Nursing - Nursing Education

Nursing Education

The 37-credit **on-line graduate program*** in Nursing Education prepares students for educational positions in healthcare, health-related, and academic settings. The Nursing Education specialization at La Roche University provides an opportunity for nurses to develop the knowledge and skills essential to the role of nurse educator.

Recent reports have indicated an increased demand throughout the country for masters prepared nurse educators in academic settings. Nurse educators are also utilized throughout healthcare and health related fields. Students learn the components of educational theory and practice, develop courses and curriculum for nursing students and staff, learn classroom and clinical strategies, and practice the nurse educator role. Courses required for Nursing Education are outlined below.

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

Nursing Education Required Course: 13 credits

Nursing Education Practicum	NURG5021

YEAR ONE - FALL SEMESTER: 9 credits

Research and Evidence Based Practice	NURG5002
Theory and Professional Nursing Practice	NURG5004
Healthcare Delivery Systems	NURG5006

YEAR ONE - SPRING SEMESTER : 9 credits

Comprehensive Pharmacology	NURG5007
Comprehensive Pathophysiology	NURG5009
Educational Strategies in Nursing Education and Practice	NURG5011

YEAR ONE - SUMMER SEMESTER: 3 credits

Health Policy and Global Considerations	NURG5012

YEAR TWO - FALL SEMESTER: 9 credits

Curriculum Design and Evaluation	NURG5015
Assessment and Evaluation of Learners	NURG5019

YEAR TWO - SPRING SEMESTER: 7 credits

Nursing Education Practicum	NURG5021
Capstone Scholarly Experience	NURG6000

7-12 Special Education Certification

The purpose of the 7-12 Special Education Program is to provide an opportunity to obtain certification in 7-12th grade Special Education. This program is designed for current La Roche Education majors or Pennsylvania Level 1 or 2 certified teachers in any content area. For teachers with current PreK-8 Special Education certification, the only additional required course for 7-12 Special Education Certification is EDSP4010: Transition Planning for Secondary Students with Disabilities. For state certification, students must meet all the competency standards set by the Pennsylvania Department of Education.

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

- 34 credits of Required Coursework

Required Courses: 34 Credits

Methods of Teaching Writing PreK-4th Grade	EDEL3025
Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Literacy Instruction and Interventions for Diverse Learners	EDSP3010
Intro to Low Incidence Disabilities	EDSP3015
Special Education Practicum	EDSP3035
Evaluation & Assessment	EDSP3040
Transition Planning for Secondary Students with Disabilities	EDSP4010

Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Special Education Student Teaching & Seminar (PK-6)	EDSP4065
English Language Learners in the Multicultural Classroom	MLED2000

Autism Spectrum Disorder Endorsement Certification

Purpose: To Provide Pennsylvania certified teachers with the opportunity to add an endorsement focused on Autism Spectrum Disorders (ASD). Successful completion of the required 12 credits will allow Pennsylvania certified teachers to apply for the ASD endorsement from the Pennsylvania Department of Education after meeting all competency standards set by the PDE.

Required Courses: 12 credits

Introduction to Education of Persons with Autism Spectrum Disorder	EDSP5040
Advanced Behavior Studies	EDSP5045
Communication & Social Skills Instruction for Persons with Autism Spectrum Disorder	EDSP5050
Advanced Topics for Persons with Autism Spectrum Disorder: Curriculum and Instruction	EDSP5055

PreK-8 Special Education Certification

The Special Education Certificate provides teacher education candidates with the opportunity to seek dual certification in Special Education. Special Education Certification is embedded in the PreK-4 program at LaRoche, and is an add-on option for the Middle Level and English Education programs at LaRoche. For state certification, students must meet all the competency standards set by the Pennsylvania Department of Education.

To successfully complete the Special Education Certificate, 29 credits of coursework are required.

Required Courses:

Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Intro to Low Incidence Disabilities	EDSP3015
Effective Instructional Strategies for Students with Disabilities	EDSP3025
Special Education Practicum	EDSP3035
Evaluation & Assessment	EDSP3040
Development of the IEP & Inclusion in Least Restrictive Environment	EDSP4015
Special Education Student Teaching & Seminar (PK-6)	EDSP4065
English Language Learners in the Multicultural Classroom	MLED2000

Humanities Division

Programs of Study

Majors	
Applied Communications	BA
Communication, Media and Technology	BS
English Studies: Literature	BA
English Studies: Professional and Creative Writing	BA
History	BA
International Studies	BA
Liberal Studies	BA
Performing Arts - Dance Performance	BA
Political Science	BA
Sociology	BA
Minors	
Communication, Media and Technology Minor	Other
English Studies: Professional and Creative Writing	Other
French Minor	Other
Game Studies Minor	Other
History Minor	Other
Humanities Minor	Other
International Studies Minor	Other
Literature Minor	Other
Performing Arts: Ballet Minor	Other
Political Science Minor	Other
Religious Studies Minor	Other
Sociology Minor	Other
Spanish Minor	Other
Sustainability Interdisciplinary Studies Minor	Other
Certificate Programs	
Game Studies Certificate	Certificate
Modern Language Certificate	Certificate
Professional and Creative Writing Certificate	Certificate

Graduate Programs
Master of Arts in Communication

Detail - Humanities Division

Applied Communications

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: 15 Credits

Communication Between Cultures	CMET2003
Communication Theory, Research & Criticism	CMET2005
New Media & Digital Communication Technology	CMET3002

Legal Issues of Media & Digital Communications	CMET4001
Game Studies	INQU3007

Major Electives: Choose 5: 15 credits

Social Media Research and Analysis	CMET3009
Gamification	CMET4005
Writing for Advertising	ENGL3034
Writing for Broadcast and Social Media	ENGL3035
Writing Creative Nonfiction	ENGL3064
Film Production I	FILM1020
Advertising & Public Relations	MRKT2007
Internet Marketing	MRKT3050

Communication, Media and Technology

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

Basic Skills and Fundamental Knowledge Area: Select 6 credits

Marketing Management	ADMG2021
Introduction to Cyberspace	ISTC2008
Advertising & Public Relations	MRKT2007
Race, Class, Gender: An Introduction to Sociology	SOCL1021
Culture & Human Societies	SOCL2070

Capstone Requirements: 6 credits

Senior Capstone	CMET4050
Communication, Media & Technology - Internship I	CMET4051

Communicating Effectively: Select 9 credits

Creative Writing	ENGL2040
Writing for Advertising	ENGL3034
Writing for Non-Profits	ENGL3042
Film & Visual Storytelling	FILM1025
Modern Public Speaking	SPCH1001
Creative Dramatics	SPCH1022
Contemporary Communication Through Discussion	SPCH2002

Communication, Media and Technology Electives: Select 9 credits

Communication in Organizations	CMET2001
Message Design & Media	CMET3005
Social Media Research and Analysis	CMET3009
Special Topics in Communication, Media & Technology	CMET3040
Political Communication & Elections	CMET3043
Gamification	CMET4005
Game Studies	INQU3007

Required Coursework: 21 credits

Human Communication	CMET1001
Mass Media & Digital Communication	CMET1002
Communication Between Cultures	CMET2003
Communication Theory, Research & Criticism	CMET2005
New Media & Digital Communication Technology	CMET3002
Legal Issues of Media & Digital Communications	CMET4001
Broadcasting, Cable & New Media	CMET4002

English Studies: Literature

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 Engish 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: 39 credits

World Literature I	ENGL2021
World Literature II	ENGL2022
Business Communications	ENGL2029
American Multicultural Literature	ENGL2036
Modern American Literature	ENGL2039
English Literature 2000-level or above	ENGL2XXX
Readings in Creative Non-Fiction	ENGL3011
Shakespeare	ENGL3023
American English: Its History & Development	ENGL3033
English - Internship I	ENGL4051
Seminar in Publication	ENGL4055
British Literature Course	ENGLXXXX
Drama Course	ENGLXXXX

Professional Writing Component Option 1: Choose 1

Technical Writing	ENGL2030
Journalism I	ENGL3031

Professional Writing Component Option 2: Choose 1

Journalism II	ENGL3032
Writing Creative Nonfiction	ENGL3064

Professional Writing Component Option 3: Choose 1

Writing for Advertising	ENGL3034
Writing for Broadcast and Social Media	ENGL3035

Professional Writing Component Option 4: Choose 1

Writing Poetry	ENGL2025
Creative Writing	ENGL2040
Writing Fiction	ENGL3045

English Studies: Professional and Creative Writing

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:

- 54 credits of English Writing Component courses
- 12 credits of Literature Component courses
- 37 credits of CORE Curriculum courses
- 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.

English Writing Component: 54 credits

Writing Poetry	ENGL2025
Business Communications	ENGL2029
Technical Writing	ENGL2030
Readings in Creative Non-Fiction	ENGL3011
Journalism I	ENGL3031
Journalism II	ENGL3032
American English: Its History & Development	ENGL3033
Writing for Advertising	ENGL3034
Writing for Broadcast and Social Media	ENGL3035
Writing for Non-Profits	ENGL3042
Sports Writing	ENGL3044
Writing Fiction	ENGL3045
Writing Creative Nonfiction	ENGL3064
Portfolio Production Workshop	ENGL4035
English - Internship I	ENGL4051
Seminar in Publication	ENGL4055
Digital Photography	GCDN2016
Publication Design	GCDN3051

Literature Component: 12 credits

Literature Elective	ENGL2XXX
Shakespeare	ENGL3023
Literature Elective	ENGL3XXX

History

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
- 44 general elective credits
- 34 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 Courses: Select 12 credits (At least one course must be in Western Civilization)

U.S. History: The Foundation of a Republic (1600-1865)	HIST1010
U.S. History: The Emergence of a Mass Democracy (1865-1945)	HIST1011
Western Civilization I	HIST1013
Western Civilization II	HIST1014
Multicultural History of the U.S.	POLI2002

Required Electives: 30 credits: History Electives must be at the 2000- or 3000 Level

Understanding the U.S. Constitution	CRIM1003
2000-3000 Level History(HIST) Course	HIST2XXXX or 3XXX
History & Politics of Africa	POLI3019
Politics of Weak States	POLI3050

International Studies

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:

• 22 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. (See linked program guide)
• 11 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
• 29 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 - Required: 22 credits

Macroeconomics	ADMG1005
Introduction to International Studies	INST2013
Research Methods	INST3011
Development: Political, Social & Economic Issues	INST3025
Senior Seminar in International Affairs	INST4055
Probability & Statistics	MATH1040
Study Abroad/Study USA Course	SASUxxxx
Culture & Human Societies	SOCL2070

International Studies Major Electives: 21 Credits

Communication Between Cultures	CMET2003
World Literature II	ENGL2022
Cultural Geography & the Human Mosaic	GEOG3010
Geography & World Affairs	GEOG3013
East Asian History	HIST3028
History & Politics of the Middle East	HIST3045
International Business Management	INMT3039
Global Politics	INST2001
World Geography	INST2011
International Political Economy	INST3003
Comparative Government	INST3021
History of Modern Europe	INST3027
American Foreign Policy	INST3033
International Legal Environment	INST4048
International Studies - Internship I	INST4051
International Studies - Independent Study	INST4057
History & Politics of Africa	POLI3019
World Religions	RELS1003
Women & Religion	RELS2020
Sports & Globalization	SOCL2022
Islam in the World	SOCL2045
Ethnic Conflict	SOCL3040
Cities & Globalization	SOCL3041
Development in Southeast Asia	SOCL3051
Environment & Society	SOCL3081
Social Movements & Resistance	SOCL3082

International Studies Modern Langauge Requirement: 11 credits (in the same modern language)

Elementary French I	MLFR1001
Elementary French II	MLFR1002
Intermediate French I	MLFR2001
Elementary Italian I	MLIT1001
Elementary Italian II	MLIT1002
Intermediate Italian I	MLIT2001
Elementary Spanish I	MLSP1001
Elementary Spanish II	MLSP1002
Intermediate Spanish I	MLSP2001

Liberal Studies

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: 9 credits

Macroeconomics	ADMG1005
Fundamentals of Management	ADMG1018
Professional Presentation	ADMG3024

Aesthetics: 6 credits

Art	ARTHXXXX
Art	DSGNXXXX
Film & Visual Storytelling	FILM1025
Music	PARTXXXX

Behavioral/Natural Sciences: 6 credits

Behavioral/Natural Science Course	NSCI/BIOL/CHEM
Intro to Psychology	PSYC1021

Humanities: 12 credits

English Literature 2000-level or above	ENGL2XXX
Ethics	PHIL2026
Religious Studies 2000-level or above	RELS2XXX
Creative Dramatics	SPCH1022

Social Sciences: 6 credits

Sociology/History/Political Science Course	SOCL/HIST/POLI
Race, Class, Gender: An Introduction to Sociology	SOCL1021
Sociology Elective	SOCLXXXX

Performing Arts - Dance Performance

La Roche University Dance Department Mission and Vision

MISSION STATEMENT

The mission of the La Roche University Dance Department is to prepare a competent, educated, and mature professional who is viable in the current creative work force. We are committed to nurturing our students through extensive technical training, a deep historical and kinesthetic knowledge of the art form, and an enriched artistic awareness that is developed through performance and practicum.

The La Roche University Dance Department is a ballet-based program offering a Bachelor of Arts Degree in professional performance and pedagogy. The concentration of the dance department is rooted in classical ballet; however, the artists are to reach proficiency in multiple genres including: contemporary ballet, modern technique, jazz, Pilate's technique, and dance composition.

Faculty:

Maria Caruso
Chair
Maria.Caruso@laroche.edu
412-536-1212

VISION

The La Roche University Dance Department strives to educate and coach our students in a nurturing and compassionate way, developing each of their individual talents through a comprehensive and cohesive academic and creative environment.

DEPARTMENTAL GOALS

The La Roche University Dance Department is committed to the development and enhancement of our artist's abilities in an effort to articulate our pristine accelerated programmatic goals on a national level.

- Students study and train primarily with the Director of Dance for the duration of four years while receiving enrichment from company artists and esteemed guests of Bodiography Contemporary Ballet.
- Students are required to reach equal proficiency in both classical ballet technique and contemporary technique upon graduation.
- Students are required to demonstrate their competency and knowledge of all techniques through the production of a student guided senior thesis, which identifies their technical balance while highlighting their individual artistic strengths.

REQUIREMENTS: To successfully complete the Performing Arts-Dance Studio major, the following coursework is required:

- 88 credits as listed under "Major Component/Requirements" (58 Dance Studio requirements, 30 Dance Academic Requirements)
- 37 CORE credits
- A minimum number of 125 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.)

Dance Requirements: 58 credits

FR Performance	PART1000
FR Ballet Technique	PART1004
FR Contemporary/Modern	PART1005
FR Point/Pas de Deux	PART1009
FR Variations/Repertoire	PART1012
SO Performance	PART2001
So Ballet Technique	PART2004
So Contemporary/Modern	PART2005
SO Point/Pas de Deux	PART2009
SO Variations/Repertoire	PART2012
JR Performance	PART3000
JR Ballet Technique	PART3004
JR Contemporary/Modern	PART3005
JR Point/Pas de Deux	PART3009
SR Performance	PART4000
SR Ballet Technique	PART4004
SR Contemporary/Modern	PART4005
SR Point/Pas de Deux	PART4009

Performing Arts Academics - 30 credits:

Intro to the Human Body: Systems That Move You	BIOL1002
Normal and Clinical Nutrition	NSCI1025
Dance Kinesiology	NSCI2005
Fundamentals of Music	PART1022
Dance History I	PART2010
Dance History II	PART2015
Dance Pedagogy I	PART3015
Dance Composition	PART3030
Dance Compostition II	PART4030
Senior Seminar in Performing Arts/Dance	PART4055

Political Science

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

Major Component: 9 Credits

American Government	POLI1022
History of Political Thought	POLI3015
Comparative Government	POLI3021

Major Electives -- American Politics: 12 credits

Rule of Law	CRIM2006
U.S. History: The Emergence of a Mass Democracy (1865-1945)	HIST1011
History & Culture of the American Indian	HIST3000
History of Black Americans	HIST3038
Understanding the U.S. Constitution	POLI1003
Multicultural History of the U.S.	POLI2002
Islam in the World	POLI2045
History of European Diplomacy	POLI3002
Constitutional Law	POLI3005
Modern U.S. Diplomatic History	POLI3023
American Foreign Policy	POLI3033
History of American Political Values, Beliefs & Ideas	POLI3036
The American Presidency	POLI3037
Politics and Society	POLI3039
The Civil War	POLI3042
Native American Politics	POLI3060

Political Science - Internship I	POLI4051
Race & Ethnicity	SOCL1034
Wealth, Power & Prestige	SOCL2038

Major Electives -- Comparative Politics: Conceptual Analysis: 3 Credits

Geography & World Affairs	GEOG3013
Global Politics	POLI2001
Comparative Democracies	POLI3030
Politics of Weak States	POLI3050
Peasant Politics	POLI3053

Major Electives -- Comparative Politics: Conflicts and War: 3 Credits

Terrorism	CRIM3036
Ethnic Conflict	POLI3040
Experience of Modern War	POLI3052
Today's Global Wars	POLI3055
World War II	POLI3065
Social Movements & Resistance	POLI3082

Major Electives -- Comparative Politics: Nations and People: 3 Credits

Russia & the Soviet World	HIST3020
History of Modern Germany	HIST3026
History of Ireland & Scotland	HIST3075
Islam in the World	POLI2045
History & Politics of France	POLI3035
Jewish History & Politics	POLI3047

Major Electives -- Comparative Politics: World Regions: 3 Credits

Britain & Its Empire	HIST2000
Contemporary Central America	HIST3005
History of Modern Europe	HIST3027
East Asian History	HIST3028
History & Politics of Africa	POLI3019
History & Politics of the Middle East	POLI3045

Major Electives -- Political Theory: 3 Credits

History of American Political Values, Beliefs & Ideas	POLI3036
The Idea of Freedom	POLI3070
Democratic Socialism	POLI3072
Marxist Political Though	POLI3085

Major Electives -- Public Policy: 3 credits

International Political Economy	INST3003
Public Policy	POLI2075
Development: Political, Social & Economic Issues	POLI3025
Comparative Public Policy	POLI3032
Development in Southeast Asia	POLI3051
Global Social Problems	SOCL1023

Sociology

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: 9 credits

Foundations of Social Thought	SOCL2040
Research Methods	SOCL3011
Senior Seminar in Sociology	SOCL4055

Major Electives: Select 24 Credits

Sports & Globalization	SOCL2022
Juvenile Delinquency	SOCL2030
Wealth, Power & Prestige	SOCL2038
Islam in the World	SOCL2045
Social Gerontology	SOCL2061
Human Services in Modern Society	SOCL2062
Culture & Human Societies	SOCL2070
Sociology of Work & Occupations	SOCL3008
Death & Dying	SOCL3020
Social Change & Development	SOCL3025
Women in American Society	SOCL3026
Family Relations	SOCL3027
Social Psychology	SOCL3029
Theories of Criminal Deviance	SOCL3030
Sociology of Religion	SOCL3031
Victims of Abuse & Neglect	SOCL3037
Politics &Society	SOCL3039
Ethnic Conflict	SOCL3040
Cities & Globalization	SOCL3041
Education & Society	SOCL3050
Development in Southeast Asia	SOCL3051
Environment & Society	SOCL3081
Social Movements & Resistance	SOCL3082

Required Introductory Courses : Select 3 credits

Race, Class, Gender: An Introduction to Sociology	SOCL1021
Global Social Problems	SOCL1023
Race & Ethnicity	SOCL1034

Communication, Media and Technology 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.

Minor Electives: must take at least 6 credits of the following

Communication in Organizations	CMET2001
Communication Between Cultures	CMET2003
Legal Issues of Media & Digital Communications	CMET4001

Minor Required Courses: 12 credits

Human Communication	CMET1001
Mass Media & Digital Communication	CMET1002
Communication Theory, Research & Criticism	CMET2005
New Media & Digital Communication Technology	CMET3002

English Studies: Professional and Creative Writing

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 five courses from the following:

Writing Poetry	ENGL2025
Business Communications	ENGL2029
Technical Writing	ENGL2030
Readings in Creative Non-Fiction	ENGL3011
Journalism I	ENGL3031
Journalism II	ENGL3032
Writing for Advertising	ENGL3034
Writing for Broadcast and Social Media	ENGL3035
Writing for Non-Profits	ENGL3042
Sports Writing	ENGL3044
Writing Fiction	ENGL3045
Publication Design	ENGL3051
Writing Creative Nonfiction	ENGL3064

French Minor

Approximately 2 1/2 academic years are estimated for French Minor completion with respect to fall/spring course rotation and prerequisites.

Students interested in being tested for certification of oral proficiency should consult with the modern language Department Chair.

Requirements: 15 credits.

Minor Elective: Choose One Course (3 credits)

French Civilization & Culture I	MLFR3005
Independent Study in French Studies	MLFR4057

Required Courses:

Intermediate French I	MLFR2001
Intermediate French II	MLFR2002
Advanced French Language & Culture I	MLFR3001
Advanced French Language & Culture II	MLFR3002

Game Studies 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: 3 Credits

Intro to Psychology	PSYC1021
Race, Class, Gender: An Introduction to Sociology	SOCL1021

Minor Component/Requirements: 12 Credits

Human Communication	CMET1001
New Media & Digital Communication Technology	CMET3002
Gamification	CMET4005
Game Studies	INQU3007

Narrative Component: 3 Credits

World Literature I	ENGL2021
Creative Writing	ENGL2040
World Mythology	ENGL3014

History Minor

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

Requirements: 15 credits

Required Courses: 3 Credits from the following

U.S. History: The Foundation of a Republic (1600-1865)	HIST1010
U.S. History: The Emergence of a Mass Democracy (1865-1945)	HIST1011
Western Civilization I	HIST1013
Western Civilization II	HIST1014
Multicultural History of the U.S.	POLI2002

Required Electives: 12 Credits-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)

History Elective	HISTXXXX
History & Politics of Africa	POLI3019
History & Politics of the Middle East	POLI3045

Humanities 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:

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

World Literature I	ENGL2021
World Literature II	ENGL2022
American Multicultural Literature	ENGL2036
Modern American Literature	ENGL2039
Literature Elective	ENGL2XXX
Literature Elective	ENGL3XXX
Introduction to Philosophy	PHIL1021
Philosophy Elective	PHIL2XXX
Philosophy Elective	PHIL3XXX

Must take at least 3 credits of the following:

Old Testament	RELS1001
New Testament	RELS1002
World Religions	RELS1003

Select at least 3 credits of the following:

Ethics	PHIL2026
Christology	RELS2014
Women & Religion	RELS2020

International Studies 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:

Minor Courses - Required: 12 credits

Introduction to International Studies	INST2013
Research Methods	INST3011
Development: Political, Social & Economic Issues	INST3025
Probability & Statistics	MATH1040

Minor Electives (One course must be at the 3000-Level): 6 credits

Cultural Geography & the Human Mosaic	GEOG3010
Global Politics	INST2001
Comparative Government	INST3021
Culture & Human Societies	SOCL2070
Environment & Society	SOCL3081
Social Movements & Resistance	SOCL3082

Literature Minor

Requirements: 15 credits

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.

Literature Minor Requirements: 15 credits (Select ENGL3021 or ENGL3023)

Shakespeare	ENGL3023
Literature Elective	ENGL3XXX

Performing Arts: Ballet Minor

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 the minor.

To complete the Ballet Performance Minor, a total of 20 credits must be completed.

Required Courses Ballet Technique: Select 9 credits

FR Ballet Technique	PART1004
So Ballet Technique	PART2004
JR Ballet Technique	PART3004
SR Ballet Technique	PART4004

Required Courses Contemporary/Modern: Select 9 credits

FR Contemporary/Modern	PART1005
So Contemporary/Modern	PART2005
JR Contemporary/Modern	PART3005
SR Contemporary/Modern	PART4005

Required Courses Performance: Select 2 credits

FR Performance	PART1000
SO Performance	PART2001
JR Performance	PART3000
SR Performance	PART4000

Political Science 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 Political Science courses:

Required Courses: 9 credits

American Government	POLI1022
History of Political Thought	POLI3015
Comparative Government	POLI3021

Required Electives: 6 credits-Any two 3000-level-Political Science- 3 credit courses

Political Science 3000-level	POLI3XXX

Religious Studies Minor

3 academic years are estimated for religious studies minor completion with respect to fall/spring course rotation and prerequisites. 18 credits are required for completion.

Required Courses: 9 credits

Old Testament	RELS1001
New Testament	RELS1002
World Religions	RELS1003

Select 9 credits from the following:

Ethics	PHIL2026
Church History	RELS1011
Moral Theology	RELS1015
Sacramental Theology	RELS1016
Christology	RELS2014
Women & Religion	RELS2020
The Church: Institution/Community	RELS2034
Special Topics in Religious Studies	RELS2050

Sociology 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: 9 credits

Sociology Elective	SOCLXXXX

Required courses:

Race, Class, Gender: An Introduction to Sociology	SOCL1021
Research Methods	SOCL3011

Spanish Minor

Students may choose a topic related to their major and Spanish culture issues relating to topic. 2-2 1/2 academic years are estimated for Spanish minor completion with respect to fall/spring course rotation and prerequisites. Students interested in being tested for certification of oral proficiency should consult with the Modern Language Department Chair.

Requirements: 15 credits

Intermediate Spanish I	MLSP2001
Intermediate Spanish II	MLSP2002

Advanced Spanish Language & Culture I	MLSP3001
Advanced Spanish Language & Culture II	MLSP3002

Select one of the following courses in history:

History of Latin America	HIST2035
Contemporary Central America	HIST3005
Spanish Culture	MLSP3020

Sustainability Interdisciplinary Studies 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: 3 credits (choose 1) - REQUIRED
Internship
Service Learning
Directed Research
Creative Expression

Minor Electives: Choose 4 courses: 12 credits

Advanced Ideas Seminar in Interior Design	IDSN3059
World Geography	INST2011
Geography & World Affairs	INST3013
Ethics	PHIL2026
Race & Ethnicity	SOCL1034
Culture & Human Societies	SOCL2070
Cities & Globalization	SOCL3041
Social Movements & Resistance	SOCL3082

Required Course: 3 credits

Environment & Society	SOCL3081

Game Studies 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: 9 Credits

New Media & Digital Communication Technology	CMET3002
Gamification	CMET4005
Game Studies	INQU3007

Elective Component: 3 Credits

World Literature I	ENGL2021
Creative Writing	ENGL2040
World Mythology	ENGL3014
Intro to Psychology	PSYC1021
Race, Class, Gender: An Introduction to Sociology	SOCL1021

Modern Language Certificate

La Roche University offers a modern language certificate program in French and Spanish. It is designed to develop a working-level speaking ability in a foreign language as well as competency in the other language skills.

The program also provides intensive learning experiences in foreign cultures and customs. Through state-of-the-art methodologies, including computer assisted instruction, various technological aides and other support programs, students are provided with opportunities for individual pacing and reinforcement of language skills.

The department encourages interested students to participate in immersion programs, i.e. language programs in native speaking environments, in order to experience a full exposure to the target language and culture.

The program consists of a sequence of six courses aimed at developing the oral proficiency skills of the student as measured on the ACTFL/ETS national scale. Final testing to qualify for the certificate will take place after a student has completed the Language and Culture II course of the language cycle. Only an "Intermediate-Mid" or above level as measured on the ACTFL/ETS scale will appear on the student's transcript.

Requirements:
Completion of one of the following language cycles with a grade point of "B" or higher:

- French cycle:
  MLFR 1001, 1002, 2001, 2002, 3001, 3002
- Spanish cycle:
  MLSP1001, 1002, 2001, 2002, 3001, 3002
- Demonstration of oral proficiency at an intermediate or advanced level
- Successful completion of written examination following the fulfillment of the language cycle requirement

NOTE: The Modern Language Certificate Program is not a major. Students may elect to earn a certificate in addition to their major, core, and elective requirements.

French Cycle:

Elementary French I	MLFR1001
Elementary French II	MLFR1002
Intermediate French I	MLFR2001
Intermediate French II	MLFR2002
Advanced French Language & Culture I	MLFR3001
Advanced French Language & Culture II	MLFR3002

Spanish Cycle:

Elementary Spanish I	MLSP1001
Elementary Spanish II	MLSP1002
Intermediate Spanish I	MLSP2001
Intermediate Spanish II	MLSP2002
Advanced Spanish Language & Culture I	MLSP3001
Advanced Spanish Language & Culture II	MLSP3002

Professional and Creative Writing Certificate

Requirements: 21 credits

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.

Choose 15 credits from the following:

Writing Poetry	ENGL2025
Business Communications	ENGL2029
Readings in Creative Non-Fiction	ENGL3011
Journalism I	ENGL3031
Journalism II	ENGL3032
Writing for Advertising	ENGL3034
Writing for Broadcast and Social Media	ENGL3035
Writing for Non-Profits	ENGL3042
Sports Writing	ENGL3044
Writing Fiction	ENGL3045
Writing Creative Nonfiction	ENGL3064

Required Courses: 6 credits

Technical Writing	ENGL2030
Publication Design	ENGL3051

Master of Arts in Communication

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: 31 credits

Organizational Communication	MCOM5010
Communication Research Methods	MCOM5020
Digital Communication	MCOM5030
Media Theory	MCOM5040
Communications Ethics	MCOM5050
Conflict Management	MCOM6010
Intercultural Communication	MCOM6020
Strategic Communication	MCOM6030
Social Media Theory	MCOM6040
Communication and Social Change	MCOM6050
Practicum	MCOM6090

Management Division

Management Division Mission Statement

Management Division Mission Statement

The Management 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 Management Division is comprised of the following programs:

- Accounting (BS, MS)
- Finance
- International Management
- Management (BS, BA)
- Management Information Systems
- Marketing

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*

Programs of Study

Majors	
Accounting	BS
Accounting 4+1 Bachelor and Master Combined Program	Other
Finance	BS
Information Technology	BS
International Management	BS
Leadership	BS
Management - B.A.	BA
Management - B.S.	BS
Management Information Systems	BS
Marketing	BS
Professional Studies	BS
Minors	
Accounting Minor	Other
Finance Minor	Other
Information Technology Minor	Other
Management Information Systems Minor	Other
Management Minor	Other
Marketing Minor	Other
Certificate Programs	
Accounting Certificate	Certificate
Administration Certificate	Certificate

HR Consultant Certificate - Post Bachelor	Certificate
Human Resources Generalist Certificate - Post Bachelor	Certificate
Self-Design Certificate in HRM - Post Bachelor	Certificate
Sports and Entertainment Marketing Certificate	Certificate
Strategic HR Professional Certificate - Post Bachelor	Certificate

Graduate Programs

Master of Science in Accounting	MS
Master of Science in Human Resources Management	MS
Master of Science in Information Systems	MS
Travel, Tourism, and Event Management	MA

Detail - Management Division

Accounting

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

Accounting Major Requirements: 21 credits

Taxation I	ACCT3001
Taxation II	ACCT3002
Intermediate Accounting I	ACCT3011
Intermediate Accounting II	ACCT3012
Cost Accounting	ACCT3014
Advanced Accounting	ACCT4001
Auditing	ACCT4002

Business Core Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

Major Electives: 6 credits

Accounting with Computers	ACCT2025
Accounting - Internship I	ACCT4051
Accounting - Internship II	ACCT4052
Business Law II	ADMG2010
Business Organization & Regulation	ADMG3010
Investments	FINC3031
Commercial Bank Management	FINC3034
Managerial Finance	FINC4033
International Finance	INMT4046

International Legal Environment	INMT4048
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Distributed Systems	ISTC2050

Skills Component Requirements: 9 credits

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030
Probability & Statistics	MATH1040

Accounting 4+1 Bachelor and Master Combined Program

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: 21 credits

Taxation I	ACCT3001
Taxation II	ACCT3002
Intermediate Accounting I	ACCT3011
Intermediate Accounting II	ACCT3012
Cost Accounting	ACCT3014
Advanced Accounting	ACCT4001
Auditing	ACCT4002

Business Core Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

Major Electives: 6 credits

Accounting with Computers	ACCT2025
Accounting - Internship I	ACCT4051
Accounting - Internship II	ACCT4052
Business Law II	ADMG2010
Business Organization & Regulation	ADMG3010
Investments	FINC3031
Commercial Bank Management	FINC3034

Managerial Finance	FINC4033
International Finance	INMT4046
International Legal Environment	INMT4048
Advanced Practical Computer Applications	ISTC1006
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Distributed Systems	ISTC2050

Master's Level : 30 credits

Ethics & Professional Responsibilities in Accounting	ACCT5020
Modern Accounting Information Systems	ACCT5035
The Business of Reading & Writing	ACCT5040
Fraud Examination	ACCT5050
Advanced Forensic Accounting	ACCT6020
Wealth Management	ACCT6050
Accounting for Not-for-Profit Entities	ACCT6060
Contemporary Issues in Taxation	ACCT6080
International Accounting	ACCT6085
Applied Research	ACCT6099

Skills Component Requirements: 9 credits

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030
Probability & Statistics	MATH1040

Finance

Finance, a program in the Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized acceditation 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 cousre will not fulfill both a major requirement and a major elective.

Business Core Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

Finance Major Electives: 9 credits

Taxation I	ACCT3001
Taxation II	ACCT3002

Intermediate Accounting I	ACCT3011
Intermediate Accounting II	ACCT3012
Business Law II	ADMG2010
Business Organization & Regulation	ADMG3010
SIE & Series 7 Prep Program	FINC4020
Fi-Solve Applied Investments	FINC4025
Real Estate Investment	FINC4039
Finance - Internship I	FINC4051
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Case Studies Using Advanced Excel	ISTC3025

Finance Major Requirement: Choose One: 3 credits

Data Base Management Systems	ISTC2045
Case Studies Using Advanced Excel	ISTC3025

Finance Major Requirements: 15 credits

Investments	FINC3031
Commercial Bank Management	FINC3034
Risk Management & Insurance	FINC3040
Managerial Finance	FINC4033
International Finance	INMT4046

Skills Component Requirements: 9 credits

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030
Probability & Statistics	MATH1040

Information Technology

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 Elective: Select 1

Distributed Systems	ISTC2050
Web Page Usability & Programming	ISTC3008
Computer Programming: COBOL	ISTC3020
Scripting for the Web	ISTC3028
Information Systems Technology - Internship I	ISTC4051

IT Major Requirements: 54 credits

Technical Writing	ENGL2030
Problem Solving	ISTC1021
Computer Hardware	ISTC1025
IST: A Global Perspective	ISTC2005
Introduction to Cyberspace	ISTC2008
Management Of Information Systems	ISTC2021
Distance Learning & IT Support	ISTC2025
Networking	ISTC2030
Data Base Management Systems	ISTC2045
Intro to Intellectual Property	ISTC3005
Human Computer Interaction	ISTC3015
Linux	ISTC3030
Advanced Networking & Telecom	ISTC3031

Computer Programming in Java	ISTC3034
Advanced Data Base Management Concepts	ISTC3046
Systems Analysis & Design	ISTC4042
IT-Senior Seminar	ISTC4055

International Management

International Management, a program in the Businiess 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 Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

International Management Major Electives: 12 credits

Communication Between Cultures	CMET2003
World Geography	GEOG2011
European Geography	GEOG2012
Cultural Geography & the Human Mosaic	GEOG3010
International Management Internship I	INMT4051
Independent Study in International Management	INMT4057
Global Politics	INST2001
International Political Economy	INST3003
Comparative Government	POLI3021
World Religions	RELS1003

International Management Major Requirements: 12 credits

International Political Economy	ADMG3003
International Marketing	INMT3049
International Finance	INMT4046
International Legal Environment	INMT4048

Skills Component: 9 credits (select MATH1030 or MATH1070)

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030

Probability & Statistics	MATH1040
Finite Mathematics for Business	MATH1070

Leadership

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 BOTH ON CAMPUS AND 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 cohorts 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 Requirements: 30 credits

Dynamics of Teams	LEAD3001
Information Literacy Skills	LEAD3051
Management & Financial Analysis	LEAD3056
Macro Organizational Behavior	LEAD3061
Leadership and Ethics	LEAD4001
Communicating Change	LEAD4021
Global Thinking and E-commerce	LEAD4026
HR Concepts & Negotiations	LEAD4031
Capstone Project	LEAD4061

Management - B.A.

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 or Marketing course; except ACCT1001 or ADMG1001)**
- 34 credits of Core Curriculum

Business Core Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004

Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

Business Skills : 6 credits

Professional Presentation	ADMG3024
Probability & Statistics	MATH1040

Management - B.S.

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 or Real Estate courses, except ACCT1001 or ADMG1001)**
- 9 credits of Skills Components
- 34 credits of CORE Curriculum courses

Business Core Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

Skills Component: 9 credits (select MATH1030 or MATH1070)

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030
Probability & Statistics	MATH1040
Finite Mathematics for Business	MATH1070

Management Information Systems

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 Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

MIS Major Electives: 3 credits

Accounting with Computers	ACCT2025
Distance Learning & IT Support	ISTC2025
Networking	ISTC2030
Human Computer Interaction	ISTC3015
Computer Programming: COBOL	ISTC3020
Linux	ISTC3030
Advanced Data Base Management Concepts	ISTC3046
Information Systems Technology - Internship I	ISTC4051

MIS Major Requirements: 27 credits

Problem Solving	ISTC1021
Computer Hardware	ISTC1025
Introduction to Cyberspace	ISTC2008
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Distributed Systems	ISTC2050
Computer Programming in Java	ISTC3034
Systems Analysis & Design	ISTC4042
IT-Senior Seminar	ISTC4055

Skills Component: 9 credits (select MATH1030 or MATH1070)

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030
Probability & Statistics	MATH1040
Finite Mathematics for Business	MATH1070

Marketing

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 Requirements: 48 Credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Operations Management	ADMG4020
Seminar-Business Policy	ADMG4055
Financial Management	FINC3032
Financial Institutions	FINC3036
International Business Management	INMT3039
Digital Literacy	ISTC1010
Marketing Management	MRKT2021

Business Skills Components: 9 credits

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030
Probability & Statistics	MATH1040

Marketing Major Electives: 15 credits

Advertising & Public Relations	MRKT2007
Personal Selling	MRKT3016
Sports & Entertainment Marketing	MRKT3031
Internet Marketing	MRKT3050
Brand Managment	MRKT4016
Services Marketing	MRKT4018
Sports & Entertainment Management	MRKT4019
Retail Marketing & Management	MRKT4035
Sales Management	MRKT4046
Marketing - Internship I	MRKT4051

Marketing Major Requirements: 15 credits

Buyer Behavior	MRKT3012
Marketing Research	MRKT3033
International Marketing & Export Management	MRKT3049
Marketing Strategy	MRKT4014
Contemporary Topics in Marketing	MRKT4031

Professional Studies

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: 18 credits

Macroeconomics	ADMG1005
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Human Resources Administration	ADMG2025
International Business Management	INMT3039

Applied Professional Studies: 18 Credits (select one)

Accounting Concepts	ACCT1001
Accounting I	ACCT2003

Business Skills Components: 9 credits

Professional Presentation	ADMG3024
Calculus for Business, Economics, & Managerial Sciences	MATH1030
Probability & Statistics	MATH1040

Track I-Human Resources Concentration: 18 Credits

Organizational Behavior	ADMG2018
Project Management	ADMG3015
Organization Theory	ADMG4036
Business Ethics: Topics & Issues in Administration & Management	ADMG4040
General Elective	GNRLXXXX

Track III- Executive Track: 18 credits: choose any additional ACCT, FINC, ISTC, INMT, ADMG, MRKT courses

Seminar-Business Policy	ADMG4055

Track II-Public Relations Concentration: 18 Credits

General Elective	GNRLXXXX
Advertising & Public Relations	MRKT2007
Marketing Management	MRKT2021
Marketing Research	MRKT3033

Accounting 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.

Elective Courses: 9 credits

Accounting with Computers	ACCT2025
Taxation I	ACCT3001
Taxation II	ACCT3002
Intermediate Accounting I	ACCT3011
Intermediate Accounting II	ACCT3012
Cost Accounting	ACCT3014
Advanced Accounting	ACCT4001
Auditing	ACCT4002

Required Courses: 9 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013

Finance 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.

Minor Electives: Choose 2 of the Following Courses: 6 Credits

Taxation I	ACCT3001
Taxation II	ACCT3002
Intermediate Accounting I	ACCT3011
Intermediate Accounting II	ACCT3012
Commercial Bank Management	FINC3034
Risk Management & Insurance	FINC3040
SIE & Series 7 Prep Program	FINC4020
Fi-Solve Applied Investments	FINC4025
Real Estate Investment	FINC4039
Finance - Internship I	FINC4051
International Finance	INMT4046
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Case Studies Using Advanced Excel	ISTC3025

Minor Required Courses: 12 credits

Investments	FINC3031
Financial Management	FINC3032
Financial Institutions	FINC3036
Managerial Finance	FINC4033

Minor Required: Choose One: 3 credits

Data Base Management Systems	ISTC2045
Case Studies Using Advanced Excel	ISTC3025

Information Technology Minor

Requirements: 18 credits

The minor must be completed within the student's graduation timetable.

Required Courses: 6 credits

Problem Solving	ISTC1021
Management Of Information Systems	ISTC2021

Select 4 courses from the list below: 12 credits

Computer Crime	CRIM3043
Advanced Database Theory	CSCI4055

Advanced Practical Computer Applications	ISTC1006
Computer Hardware	ISTC1025
IST: A Global Perspective	ISTC2005
Introduction to Cyberspace	ISTC2008
Distance Learning & IT Support	ISTC2025
Networking	ISTC2030
Data Base Management Systems	ISTC2045
Intro to Intellectual Property	ISTC3005
Web Page Usability & Programming	ISTC3008
Human Computer Interaction	ISTC3015
Computer Programming in Java	ISTC3034
Advanced Data Base Management Concepts	ISTC3046

Management Information Systems Minor

Requirements: 18 credits

The minor must be completed within the student's graduation timetable.

Required Courses (Select One): 18 credits

Project Management	ADMG3015
Systems Analysis & Design	ISTC4042

Required Courses: 18 credits

Problem Solving	ISTC1021
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Computer Programming in Java	ISTC3034
Advanced Data Base Management Concepts	ISTC3046

Management 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:

Intro to Administration & Management	ADMG1001
Fundamentals of Management	ADMG1018
Human Resources Administration	ADMG2025
Marketing Management	MRKT2021

Select 1 of the following courses (Micro or Macro):

Macroeconomics	ADMG1005
Microeconomics	ADMG1006

Select 1 of the following courses:

Accounting Concepts	ACCT1001
Accounting I	ACCT2003

Marketing 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 Electives: Select 9 credits (3 courses)

Advertising & Public Relations	MRKT2007
Personal Selling	MRKT3016
Sports & Entertainment Marketing	MRKT3031
Marketing Research	MRKT3033
International Marketing & Export Management	MRKT3049
Internet Marketing	MRKT3050

Brand Managment	MRKT4016
Services Marketing	MRKT4018
Sports & Entertainment Management	MRKT4019
Contemporary Topics in Marketing	MRKT4031
Retail Marketing & Management	MRKT4035
Sales Management	MRKT4046

Minor Requirements: 6 credits (Select MRKT3012 or MRKT4014)

Marketing Management	MRKT2021
Buyer Behavior	MRKT3012
Marketing Strategy	MRKT4014

Accounting 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: 12 credits (Select 4 courses)

Taxation I	ACCT3001
Taxation II	ACCT3002
Intermediate Accounting I	ACCT3011
Intermediate Accounting II	ACCT3012
Cost Accounting	ACCT3014
Advanced Accounting	ACCT4001
Auditing	ACCT4002

Required Courses: 12 credits; General Rotation (8 weeks each)

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Accounting with Computers	ACCT2025

Administration 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: 24 credits

Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
Organizational Behavior	ADMG2018
Human Resources Administration	ADMG2025
Project Management	ADMG3015
Marketing Management	MRKT2021

HR Consultant Certificate - Post Bachelor

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: 12 credits

Training & Development	HRMT6012
Planning & Implementing Change	HRMT6020
Any HRM course	HRMTxxxx

Human Resources Generalist Certificate - Post Bachelor

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:

Organizational Behavior	HRMT5020
Compensation Management	HRMT6013
Employee Benefits Management	HRMT6015
Recruitment & Placement	HRMT6017
Any HRM course	HRMTxxxx

Self-Design Certificate in HRM - Post Bachelor

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: 12 credits

Any 5000 level HRM course	HRMT5XXX
Any 6000-level HRM course	HRMT6XXX

Sports and Entertainment Marketing 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.

Sports & Entertainment Marketing Elective: Choose 1 Course: 3 credits

Internet Marketing	MRKT3050
Marketing - Internship I	MRKT4051

Sports & Entertainment Marketing Required Courses: 9 credits

Marketing Management	MRKT2021
Sports & Entertainment Management	MRKT3030
Sports & Entertainment Marketing	MRKT3031

Strategic HR Professional Certificate - Post Bachelor

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: 12 credits

Legal Aspects of Human Resources Management	HRMT5012
Leadership	HRMT6018
Performance Management Systems	HRMT6036
Any HRM course	HRMTxxxx

Master of Science in Accounting

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: 30 credits

Ethics & Professional Responsibilities in Accounting	ACCT5020
Modern Accounting Information Systems	ACCT5035
The Business of Reading & Writing	ACCT5040
Fraud Examination	ACCT5050
Advanced Forensic Accounting	ACCT6020
Wealth Management	ACCT6050
Accounting for Not-for-Profit Entities	ACCT6060
Contemporary Issues in Taxation	ACCT6080
International Accounting	ACCT6085
Applied Research	ACCT6099

Master of Science in Human Resources Management

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 (21 credits):**

Financial Analysis & Budgeting	HRMT5011
Legal Aspects of Human Resources Management	HRMT5012
Quantitative Research Methods in Human Resources Management	HRMT5013
International HRM & Diversity	HRMT5022
Integrative Seminar in HRM	HRMT5025A
Integrative Seminar in HRM	HRMT5025B
Strategies for Professional and Academic Communication	HRMT6038

Concentration A - HR Administration: HRMT6013 (or HRMT6015 Employee Benefits), Compensation and HRMT6017, Recruitment required, plus nine (9) credits of electives from the following

Organizational Behavior	HRMT5020
Human Resources Information Systems	HRMT6000
Workplace Diversity	HRMT6002
Advanced Legal Aspects	HRMT6011
Training & Development	HRMT6012
Compensation Management	HRMT6013
Employee Benefits Management	HRMT6015
Employee Health & Safety	HRMT6016
Recruitment & Placement	HRMT6017
Leadership	HRMT6018
Labor Relations & Collective Bargaining	HRMT6021
SHRM Learning System	HRMT6035
Performance Management Systems	HRMT6036

Concentration B - Training and Developement: HRMT6012-Training & HRMT6020-Planning & Implementing Change required, plus nine (9) credits from the following

Organizational Behavior	HRMT5020
Computer & Web-based Training	HRMT6001
Workplace Diversity	HRMT6002
Current Topics in HRM	HRMT6006
Training & Development	HRMT6012
Employee Health & Safety	HRMT6016
Leadership	HRMT6018
Planning & Implementing Change	HRMT6020
Managing Information Technology & Change Processes	HRMT6034
SHRM Learning System	HRMT6035
Performance Management Systems	HRMT6036

Concentration C - Strategic Management & Leadership: HRMT6018-Leadership and HRMT6036-Performance Management required, plus nine (9) credits from the following

Organizational Behavior	HRMT5020
Human Resources Information Systems	HRMT6000
Workplace Diversity	HRMT6002
Current Topics in HRM	HRMT6006
Advanced Legal Aspects	HRMT6011
Compensation Management	HRMT6013
Employee Health & Safety	HRMT6016
Recruitment & Placement	HRMT6017
Leadership	HRMT6018
Planning & Implementing Change	HRMT6020
Labor Relations & Collective Bargaining	HRMT6021
SHRM Learning System	HRMT6035
Performance Management Systems	HRMT6036

Master of Science in Information Systems

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:

- 27 Credits under Core Requirements
- 3 Elective Credits

Core Requirements: 27 Credits

Cyber Security & Disaster Recovery	ISTG5010
Social Computing Systems	ISTG5015
Cloud Computing & Client Architecture	ISTG5020
Legal & Ethical Issues in Information Systems	ISTG5025
Object Oriented Systems	ISTG6010
Data Mining, Data Analytics & Big Data	ISTG6015
Strategic Management of Information	ISTG6020
Project Management	ISTG6025
MSIS Capstone Experience	ISTG6050

MIS Major Electives: 3 credits

Organizational Behavior	HRMT5020
Enterprise Information Systems	ISTG6030

Natural & Behavioral Sciences Division

Programs of Study

Majors	
Biochemistry	BS
Biology (B.A.)	BA
Biology (B.S.)	BS
Biology with Forensics	BS
Chemistry	BS
Chemistry - Comprehensive	BS
Chemistry - Forensic Science	BS
Child and Family Studies	BA
Computer Science	BS
Criminal Justice - Accelerated Program for Criminal Justice Professionals (APCJP)	BA
Criminal Justice and Criminology	BA
Exercise and Sports Science	BA
Health Science	BA
Health Science - Degree Completion	BA
Mathematics - BA	BA
Mathematics - BS	BS
Medical Imaging	BA
National Security Studies	BS
Psychology	BA
Radiologic Technology	Associate
Minors	
Applied Physics Minor	Other
Biology Minor	Other
Chemistry Minor	Other
Computer Science Minor	Other
Computer Security and Forensics Minor	Other
Criminal Justice Minor	Other
Criminalistics Minor	Other
Exercise & Sport Science Minor	Other
Mathematics Minor	Other
Molecular Biology	Other
Pre-Law Minor	Other
Psychology Minor	Other
Certificate Programs	
Forensic Psychology Certificate	Certificate
Global Health Care Certificate	Certificate
Health Leadership Certificate	Certificate
Special Programs	
Bioengineering - Pitt	BA/BS
Chemical Engineering - Pitt	BA/BS
Computer Engineering - Pitt	BA/BS
Electrical Engineering - Pitt	BA/BS
Engineering Science-Nanotechnology: Chemistry/Bioengineering Emphasis - Pitt	BA/BS
Industrial Engineering - Pitt	BA/BS
Pre-Chiropractic - Palmer College of Chiropractic	Other
Pre-Dental LECOM	
Pre-Optometry (Salus University)	BA/BS
Pre-Osteopathic Medicine LECOM	Other
Pre-Pharmacy LECOM	Other
Software Engineering - Gannon	BS
Graduate Programs	
Doctor of Nurse Anesthesia Practice Completion Program	
Doctor of Nurse Anesthesia Practice Entry Level Program	

Detail - Natural & Behavioral Sciences Division

Biochemistry

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: 60 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Cell Biology	BIOL3026
Molecular Biology	BIOL4030
Molecular Biology-Lab	BIOL4031
General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Analytical Chemistry I	CHEM3011
Analytical Chemistry I-Lab	CHEM3011L
Analytical Chemistry II	CHEM3012
Analytical Chemistry II-Lab	CHEM3012L
Biochemistry I	CHEM3036
Biochemistry I-Lab	CHEM3037
Biochemistry II	CHEM3038
Physical Chemistry I	CHEM4032
Physical Chemistry I-Lab	CHEM4032L
Seminar in Chemistry I	CHEM4055
Seminar in Chemistry II	CHEM4059
Chemistry Elective	CHEMXXXX

Science Component: 19 credits

Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Biology (B.A.)

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:

- 30 credits in Major Requirements
- 22 credits in biology electives level 2000 or above
- 37 credits to satisfy remaining Core Curriculum requirements not covered above.
- 31 credits of general electives selected with the approval of the academic advisor

Major Electives: 22 credits (BIOL2000 or higher)

Biology - Internship I	BIOL4051

Major Requirements : 30 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Trigonometry	MATH1023
Probability & Statistics	MATH1040
Physics for Health Sciences	PHYS1010
Physics for Health Science-Lab	PHYS1010L

Biology (B.S.)

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.

Biology Requirements: 36 credits (includes 8 credits of Biology electives)

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
Genetics-Lab	BIOL3014
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Biochemistry I-Lab	BIOL3037
Biochemistry II	BIOL3038
Seminar in Biology	BIOL4059
Biology Elective	BIOLXXXX

Other Science & Mathematics Courses: 35 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Recommended for Medical/Dental/Veterinary School Preparation Courses: Suggested but not required

Comparative Vertebrate Anatomy & Physiology I	BIOL2021
Comparative Vertebrate Anatomy & Physiology II	BIOL2022
Immunology	BIOL4019
Immunology-Lab	BIOL4020

Biology with Forensics

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:

- 55 credits of Major Component
- 24 credits of Minor Component
- 13 credits of Certificate Component
- 37 CORE credits
- A minimum number of 129 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.)

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Biology Component: 36 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
Genetics-Lab	BIOL3014
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Biochemistry I-Lab	BIOL3037
Biochemistry II	BIOL3038
Pathogenic Microbiology	BIOL3045
Population Genetics	BIOL3050
Molecular Biology	BIOL4030
Molecular Biology-Lab	BIOL4031
Seminar in Biology	BIOL4059

Chemistry, Mathematics and Physics: 43 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Analytical Chemistry I	CHEM3011
Analytical Chemistry I-Lab	CHEM3011L
Analytical Chemistry II	CHEM3012
Analytical Chemistry II-Lab	CHEM3012L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Criminal Justice: 13 credits

Intro Criminal Justice	CRIM1001
Criminal Law	CRIM3010
CSI II - Criminalistics	CRIM3041
Criminal Investigations	CRIM3045

Chemistry

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: 46 credits: Includes 3 credits CHEM 2000+ elective and 6 credits CHEM, BIOL, or MATH elective 2000+

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Analytical Chemistry I	CHEM3011
Analytical Chemistry I-Lab	CHEM3011L
Analytical Chemistry II	CHEM3012
Analytical Chemistry II-Lab	CHEM3012L
Inorganic Chemistry	CHEM3026
Physical Chemistry I	CHEM4032
Physical Chemistry I-Lab	CHEM4032L
Physical Chemistry II	CHEM4033
Physical Chemistry II-Lab	CHEM4033L
Seminar in Chemistry I	CHEM4055
Seminar in Chemistry II	CHEM4059
Chemistry Elective	CHEMXXXX

Science Component: 19 credits

Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Suggested for Medical/Dental/Veterinary School Preparation Courses: Suggested but not required

Comparative Vertebrate Anatomy & Physiology I	BIOL2021
Comparative Vertebrate Anatomy & Physiology II	BIOL2022
Microbiology	BIOL2025
Genetics	BIOL3013
Genetics-Lab	BIOL3014
Immunology	BIOL4019
Immunology-Lab	BIOL4020
Biochemistry I	CHEM3036
Biochemistry I-Lab	CHEM3037

Chemistry - Comprehensive

This major is designed for the student who wishes to study chemistry in more depth. It is particularly appropriate for students who wish to pursue a graduate degree in chemistry. Students preparing for careers in academic or industrial laboratories will also benefit from this major. This program is constructed using the guidelines prepared by the Committee on Professional Training of the American Chemical Society. This group of courses provides the 500 hours of laboratory instruction recommended by the A.C.S.

To complete the Comprehensive Chemistry major, a minimum of 120 credits is required, the last 30 of which must be completed at La Roche University. The required course work consists of:

- 50 credits Chemistry Required courses, which include a Chemistry elective at the 3000- or 4000-level
- 33 credits of other Science and Mathematics
- 34 credits of CORE Curriculum courses
- 3 credits of general electives selected with the approval of the academic advisor.

Chemistry Required Courses: 50 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Analytical Chemistry I	CHEM3011
Analytical Chemistry I-Lab	CHEM3011L
Analytical Chemistry II	CHEM3012
Analytical Chemistry II-Lab	CHEM3012L
Inorganic Chemistry	CHEM3026
Biochemistry I	CHEM3036
Biochemistry I-Lab	CHEM3037
Physical Chemistry I	CHEM4032
Physical Chemistry I-Lab	CHEM4032L
Physical Chemistry II	CHEM4033
Physical Chemistry II-Lab	CHEM4033L
Seminar in Chemistry I	CHEM4055
Research in Chemistry	CHEM4056
Seminar in Chemistry II	CHEM4059
Chemistry Elective	CHEMXXXX

Other Science & Mathematics Courses: 33 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Computer Science Elective	CSCIXXXX
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Chemistry - Forensic Science

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: 42 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003

General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Analytical Chemistry I	CHEM3011
Analytical Chemistry I-Lab	CHEM3011L
Analytical Chemistry II	CHEM3012
Analytical Chemistry II-Lab	CHEM3012L
Biochemistry I	CHEM3036
Biochemistry I-Lab	CHEM3037
Physical Chemistry I	CHEM4032
Physical Chemistry I-Lab	CHEM4032L
Physical Chemistry II	CHEM4033
Physical Chemistry II-Lab	CHEM4033L
Seminar in Chemistry I	CHEM4055
Seminar in Chemistry II	CHEM4059
Forensic Chemistry	CHEM4060
Forensic Chemistry-Lab	CHEM4060L

Criminal Justice component: 13 credits

Intro Criminal Justice	CRIM1001
Criminal Law	CRIM3010
CSI II - Criminalistics	CRIM3041
Criminal Investigations	CRIM3045

Science and Mathematics Component: 31 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Molecular Biology	BIOL4030
Molecular Biology-Lab	BIOL4031
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Child and Family Studies

Bachelor of Arts

The Child and Family Studies major focuses on human development within the context of families, communities, and the wider society, and an understanding of challenges and treatment options for families in distress. The major is interdisciplinary in nature, with a core foundation in psychology as well as perspectives from education and the social sciences. To successfully complete the Child and Family Studies major, the following coursework is required:

- 45 credits of Major Requirements
- 37 credits of Core Requirements
- 38 credits of General Electives

This major cannot be doubled with a major or minor in Psychology.

Major Requirements: 45 Credits

Survey of the Helping Professions & Family Policy	CFST2010
Child & Family Studies Internship I	CFST4051
Child & Family Studies Internship II	CFST4052
Senior Seminar	CFST4055
Introduction to High Incidence Disabilities	EDSP2015
Technical Writing	ENGL2030
Intro to Psychology	PSYC1021
Child Development	PSYC2022
Adolescent Development	PSYC2040
Research Methods in Psychology	PSYC3011
Abnormal Psychology	PSYC3023

Adulthood Development & Aging	PSYC3032
Counseling Theories & Methods I	PSYC3040
Counseling Theories & Methods II	PSYC3041
Family Relations	SOCL3027

Computer Science

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:

- 37 credits in computer science core-components
- 9 credits in computer science electives
- 14 credits in mathematics
- 8 credits in physics
- 37 credits in core curriculum
- 15 credits in general electives

Computer Science Core: 37 credits

Introduction to Computer Science	CSCI1002
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Algorithm Analysis	CSCI2020
Systems Programming	CSCI2025
Systems Programming-Lab	CSCI2025L
Computer Organization & Design	CSCI2035
Computer Organization & Design-Lab	CSCI2035L
Database Systems Theory	CSCI2055
Operating Systems	CSCI3040
Computer Security	CSCI3042
CS Senior Capstone Experience I	CSCI4098
CS Senior Capstone Experience II	CSCI4099

Computer Science Electives: Select 9 credits

Computer Forensics Investigations	CRIM4030
Computer Science Internship I	CSCI4052
Computer Science-4000 level	CSCI4XXX
Intro to Intellectual Property	ISTC3005
Web Page Usability & Programming	ISTC3008
Human Computer Interaction	ISTC3015

Mathematics Components: 14 credits

Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Discrete Mathematics I	MATH2050

Physics Components: 8 credits

Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Criminal Justice - Accelerated Program for Criminal Justice Professionals (APCJP)

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

Language Requirement – No Credits Required.
Students in the accelerated program do not have a modern language requirement.

General Electives - 30 Credits
Accelerated Criminal Justice and Criminology students have been granted 9 credits (W) from the elective component 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, Modern Languages, 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

Criminal Justice Major Electives : Select 6 credits

Intro to Corrections	CRIM2010
Correctional Counseling	CRIM3000
Enviromental Crime: Law, Policy & Investigations	CRIM3012
Enterprise & Transnational Crime	CRIM3034
Terrorism	CRIM3036
Crime Scene Investigation & Forensics	CRIM3040
CSI II - Criminalistics	CRIM3041
Computer Crime	CRIM3043
Security Management & Loss Prevention	CRIM3046
Administration of Criminal Justice Organizations	CRIM3052
Independent Study in Criminal Justice	CRIM4057

Criminal Justice Major Requirements: 18 credits (select CRIM3030 or CRIM3042)

Understanding the U.S. Constitution	CRIM1003
Constitutional Law	CRIM3005
Criminal Law	CRIM3010
Theories of Criminal Deviance	CRIM3030
Applied Criminology	CRIM3042
Senior Capstone Experience	CRIM4055
Research Methods in Psychology	PSYC3011

Criminal Justice Skills: 9 credits (Select CRIM2012 or MATH1040)

Analysis of Criminal Justice Data	CRIM2012
Technical Writing	ENGL2030
Introduction to Cyberspace	ISTC2008
Probability & Statistics	MATH1040
Logic	PHIL1020

Criminal Justice and Criminology

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
- 11 credits of a foreign language [Spanish or Arabic recommended]- waived for Students whose native language is not English
- 37 academic core credits
- 15 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.

Criminal Justice Required Courses: 33 credits (Select CRIM3030 or CRIM3042; CRIM2016 is crosslisted with SOCL2016; CRIM3030 is crosslisted with SOCL3030)

Intro Criminal Justice	CRIM1001
Understanding the U.S. Constitution	CRIM1003
Intelligence Analysis & Presentation Techniques	CRIM2011
Police & Society	CRIM2016
Professional Responsibility: Legal & Ethical Concepts	CRIM2018
Constitutional Law	CRIM3005
Criminal Law	CRIM3010
Theories of Criminal Deviance	CRIM3030
Applied Criminology	CRIM3042
Criminal Investigations	CRIM3045
Senior Capstone Experience	CRIM4055
Research Methods in Psychology	PSYC3011
Police & Society	SOCL2016

Elective Courses: select any 4 courses -12 credits (CRIM3063 is crosslisted with PSYC3063)

Intro to Corrections	CRIM2010
Juvenile Delinquency	CRIM2030
Correctional Counseling	CRIM3000
Enviromental Crime: Law, Policy & Investigations	CRIM3012
Special Topics in Criminal Justice	CRIM3020
Enterprise & Transnational Crime	CRIM3034
Terrorism	CRIM3036
Crime Scene Investigation & Forensics	CRIM3040
CSI II - Criminalistics	CRIM3041
Computer Crime	CRIM3043
Security Management & Loss Prevention	CRIM3046
Administration of Criminal Justice Organizations	CRIM3052
Law Enforcement Communications	CRIM3054
Criminal Behavior: Law & Psychology	CRIM3063
Network Analysis and Crime Mapping	CRIM3065
Emergency Preparedness & Crisis Management	CRIM4012
Criminal Justice - Internship I	CRIM4051
Independent Study in Criminal Justice	CRIM4057
Drones for Photo & Film	FILM2035

Skills Component: 12 credits (students may select CRIM2012, Analysis of Criminal Justice Data OR MATH1040, Probability & Statistics)

Analysis of Criminal Justice Data	CRIM2012
Technical Writing	ENGL2030
Introduction to Cyberspace	ISTC2008
Probability & Statistics	MATH1040
Logic	PHIL1020
Ethics	PHIL2026

Exercise and Sports Science

Purpose:

A major 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 programs 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) assess, evaluates and prescribes individual exercise programs 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.

Requirements:

To successfully complete the Exercise and Sports Science major, the following coursework is required:

- 69 credits as listed under Major Component
  - 32 credits in Science and Math
  - 28 credits in Exercise Science and Sports Performance Requirements
  - 9 credits of Exercise Science and Sports Performance Electives
- 37 Core Credits
- 14 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 and Sports Peformance Component: 28 credits

Motor Learning, Control & Development	EXSP3005
Biomechanics	EXSP3007
Exercise Physiology & Sports Nutrition-Lab	EXSP3025L
Fitness Testing & Exercise Prescription	EXSP3030
Clinical Exercise Physiology	EXSP4005
Exercise & Sports Science - Internship I	EXSP4051
Kinesiology	HSCU2014
Exercise Physiology & Sports Nutrition	HSCU3025
Health Assessment in Health Science	HSCU3050

Exericse and Sport Science Electives: Choose 9 credits

Communications, Sports & Culture	CMET2012
Exercise & Sports Science - Elective	EXSP3XXX
Exercise & Sports Science - Internship II	EXSP4052
Sports & Entertainment Marketing	MRKT3031
Sports & Entertainment Management	MRKT4019
Health Psychology	PSYC2015
Sports & Globalization	SOCL2022

Science and Math Component: 32 Credits

Medical Terminology	BIOL1020
Human Anatomy & Physiology I	BIOL1023
Human Anatomy & Physiology I-Lab	BIOL1023L
Human Anatomy & Physiology II	BIOL1024
Human Anatomy & Physiology II-Lab	BIOL1024L
Principles of Chemistry I	CHEM1007
Principles of Chemistry I-Lab	CHEM1008
Principles of Chemistry II	CHEM1017
Principles of Chemistry II-Lab	CHEM1018
Probability & Statistics	MATH1040
Normal and Clinical Nutrition	NSCI1025
Physics for Health Sciences	PHYS1010
Physics for Health Science-Lab	PHYS1010L
Intro to Psychology	PSYC1021

Health Science

A major 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.A. in Health Science is designed to meet the needs of two groups of students: 1)undergraduates preparing for post-baccalaureate study in a health profession; and 2)those already credentialed health professionals who are seeking to complete a Bachelor's degree. For both categories of students, the major in health science combines study in the natural sciences with liberal arts study through the Core Curriculum. The health science major also offers substantial general elective credits, which a student can use to add a second major or a minor, or to further one's background in the sciences or liberal arts.

Health Science Option 1 Major is meant to prepare students for health profession study in graduate school. For example, this option is suitable for undergraduates preparing to attend graduate programs in Occupational Therapy, Physical Therapy, Speech-Language Pathology, Clinical-Nutrition Dietetics, Health Information Management, and Physician Assistant at another institution.

To successfully complete the Health Science (Option 1) major the following coursework is required:

- 37 credits of Science and Mathematics Component
- 18 credits of Health Science Component
- 37 credits of CORE Curriculum courses
- 28 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 Component: Select 18 credits

Biology of Aging	HSCU3015
Human Pathophysiology I	HSCU3021
Exercise Physiology & Sports Nutrition	HSCU3025
Public Health	HSCU3031
Toxicology	HSCU3033
Human Pathophysiology II	HSCU3041
Pharmacology for Health Science	HSCU3045
Health Assessment in Health Science	HSCU3050
Epidemiology for Health Science	HSCU3055
Endocrinology for the Health Sciences	HSCU3060
Any 3000-level or higher HSCU course	HSCU3XXX
Biomedical Ethics	PHIL3027
Health Psychology	PSYC2015
Biological Psychology	PSYC3035

Science and Mathematics Component: 37 credits

Life Science	BIOL1001
Microbiology for Health Sciences	BIOL1015
Microbiology for Health Sciences-Lab	BIOL1015L
Medical Terminology	BIOL1020
Human Anatomy & Physiology I	BIOL1023
Human Anatomy & Physiology I-Lab	BIOL1023L
Human Anatomy & Physiology II	BIOL1024
Human Anatomy & Physiology II-Lab	BIOL1024L
Principles of Chemistry I	CHEM1007
Principles of Chemistry I-Lab	CHEM1008
Principles of Chemistry II	CHEM1017
Principles of Chemistry II-Lab	CHEM1018
Introduction to Health Professions	HSCU1005
Probability & Statistics	MATH1040
Normal and Clinical Nutrition	NSCI1025
Physics for Health Sciences	PHYS1010
Physics for Health Science-Lab	PHYS1010L

Health Science - Degree Completion

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.

Health Science Component: Select 18 credits

Biology of Aging	HSCU3015
Human Pathophysiology I	HSCU3021
Exercise Physiology & Sports Nutrition	HSCU3025
Public Health	HSCU3031
Toxicology	HSCU3033
Human Pathophysiology II	HSCU3041
Pharmacology for Health Science	HSCU3045
Health Assessment in Health Science	HSCU3050
Epidemiology for Health Science	HSCU3055
Endocrinology for the Health Sciences	HSCU3060
Any 3000-level or higher HSCU course	HSCU3XXX
Biomedical Ethics	PHIL3027
Health Psychology	PSYC2015
Biological Psychology	PSYC3035

Mathematics - BA

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: 46 credits

Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Linear Algebra	MATH3015
Probability & Statistics I	MATH3040
Probability & Statistics II	MATH3045

History of Mathematics	MATH4003
Modern Abstract Algebra	MATH4015
Geometry	MATH4020
Real Analysis	MATH4035
Junior-Senior Seminar in Mathematics	MATH4090

Physics Componet: 8 credits

Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Mathematics - BS

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 to a professional school in business or law. Moreover, the major in mathematics serves as a gateway not only to a job or career, but also to a world where logic and imagination combine to create timeless beauty and truth.
What distinguishes the BS from the BA in Mathematics is the requirement of 7 credits in Computer Science and that of 4 additional credits in Physics. Although the number of general-elective credits is thereby reduced by 11, the remaining 21 credits could still allow for a minor in many fields.

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:

- 46 credits in the mathematics core
- 7 credits in Computer Science
- 12 credits in Physics
- 37 credits in CORE Curriculum courses
- 18 credits of General Electives

Computer Science: 7 credits

Introduction to Computer Science	CSCI1002
Programming I	CSCI1010
Programming I-Lab	CSCI1010L

Mathematics Core: 46 credits

Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Linear Algebra	MATH3015
Probability & Statistics I	MATH3040
Probability & Statistics II	MATH3045
History of Mathematics	MATH4003
Modern Abstract Algebra	MATH4015
Geometry	MATH4020
Real Analysis	MATH4035
Junior-Senior Seminar in Mathematics	MATH4090

Physics: 12 credits

Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L
Physics III	PHYS2030
Physics III-Lab	PHYS2030L

Medical Imaging

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 these areas.

To successfully complete the Medical Imaging major, the following coursework is required:

- Current RT or RDMS Certification (15 credits)/ Medical Imaging Science Credits (up to 45 credits)
- 21 credits of Liberal Arts courses
- 9 Health Services Credits
- 9 credits of CORE curriculum courses
- 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 Componenet: 9 credits

Health Finance for the Health Sciences	HMGT3010
Management & Leadership for the Health Sciences	HMGT3030
Health Services	HMGT3035

Liberal Arts Component 1: 12 credits

Fundamentals of Management	ADMG1018
Biomedical Ethics	PHIL3027
Intro to Psychology	PSYC1021
Race, Class, Gender: An Introduction to Sociology	SOCL1021

Liberal Arts Component 2: 3 Credits (Select 1 of the following Courses)

Statistics in Healthcare	MATH1004
Probability & Statistics	MATH1040

Liberal Arts Component 3: 3 Credits (Select 1 of the following Courses)

Business Communications	ENGL2029
Technical Writing	ENGL2030

Liberal Arts Component 4: 3 Credits (Select 1 of the following Courses)

Professional Presentation	ADMG3024
Modern Public Speaking	SPCH1001

National Security Studies

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

History of Latin America	HIST2035
Contemporary Central America	HIST3005
East Asian History	INST3028
History & Politics of Africa	POLI3019
History & Politics of the Middle East	POLI3045

Major Requirements: 30 credits

Macroeconomics	ADMG1005
Intro Criminal Justice	CRIM1001
Constitutional Law	CRIM3005
Terrorism	CRIM3036
Network Analysis and Crime Mapping	CRIM3065
Global Politics	INST2001
Probability & Statistics	MATH1040
Intelligence Analysis and Presentation Techniques	NSCS2011
Research Methods for Analysts	NSCS3011
National Security and Intelligence: Senior Seminar	NSCS4005

National Security Studies Electives: 12 credits

Enterprise & Transnational Crime	CRIM3034
Computer Crime	CRIM3043
International Political Economy	INST3003
Finite Mathematics for Business	MATH1070
Business Intelligence	NSCS3010
Financial Investigation and Analysis	NSCS3015
Emergency Preparedness and Crisis Management	NSCS4012
Independent Study - National Security Studies	NSCS4057
Islam in the World	POLI2045
Intro to Psychology	PSYC1021
Interpersonal & Group Dynamics	PSYC3030

Skills Component: choose 9 credits

Computer Forensics Investigations	CRIM4030
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Computer Security	CSCI3042
Computer Hardware	ISTC1025
Management Of Information Systems	ISTC2021
Networking	ISTC2030
Data Base Management Systems	ISTC2045

Psychology

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.

Major Requirements: 12 credits

Intro to Psychology	PSYC1021

Career & Professional Development	PSYC2010
Research Methods in Psychology	PSYC3011
Senior Seminar in Psychology	PSYC4055

Psychology Electives: 21 credits

Health Psychology	PSYC2015
Human Sexuality	PSYC2018
Child Development	PSYC2022
Psychology & Humor	PSYC2036
Adolescent Development	PSYC2040
Educational Psychology	PSYC2061
Forensic Psychology	PSYC2065
Abnormal Psychology	PSYC3023
Industrial &Organizational Psychology	PSYC3025
Theories of Personality	PSYC3028
Social Psychology	PSYC3029
Interpersonal & Group Dynamics	PSYC3030
Adulthood Development & Aging	PSYC3032
Biological Psychology	PSYC3035
Counseling Theories & Methods I	PSYC3040
Counseling Theories & Methods II	PSYC3041
Evolutionary Psychology	PSYC3045
Criminal Behavior: Law & Psychology	PSYC3063
Cognitive Psychology	PSYC3150
Applied Behavior Analysis	PSYC3152
Special Topics in Advanced Psychology	PSYC4050
Psychology - Internship I	PSYC4051
Psychology - Internship II	PSYC4052
Directed Research	PSYC4056
Psychology - Independent Study	PSYC4057

Radiologic Technology

The radiologic technologist, or radiographer, performs sophisticated diagnostic x-ray tests to uncover a wide range of medical conditions. Radiologic technology is offered through an affiliation with the **Heritage Valley Kennedy School of Radiography** (Kennedy Township, PA). 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 Technologists.

The radiologic technology program consists of a total of 67 required credits. Basic science and Core Curriculum courses (totaling 39 credits) are taught at La Roche University, while professional courses in radiologic technology and clinical training (totaling 28 credits) are conducted at **Heritage Valley Kennedy Hospital**. Heritage Valley Kennedy Hospital School of Radiography is accredited by the **Joint Review Committee on Education in Radiologic Technology** (JRCERT ~ 20 N. Wacker Drive, Suite 2850 | Chicago, Illinois 60606-3182 | Phone:312-704-5300 | Website: www.jrcert.org)

Heritage Valley Kennedy Hospital/La Roche University Radiography Program Mission Statement:

The Heritage Valley Kennedy Hospital/La Roche University Radiography Program will meet the needs of the communities we serve by offering a radiologic technology program that provides an environment for the development of competent and professional future radiologic technologists by offering a solid clinical and theoretical background in the Radiologic Sciences.

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 October 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
- Completion of 4 hours documented career shadowing with a registered radiologic technologist in a hospital setting
- 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**

This is a specialized program. As such, merit scholarships previously awarded to students are not transferable to this program. Previously awarded La Roche Merit Scholarships are void upon acceptance to the Rad Tech Program.

Admission Guidelines:

- Nine students are accepted to the radiography program each year. Interviews for acceptance begin in October and continue until all nine positions are filled. Interested candidates are therefore encouraged to apply early.
- Interested candidates can apply to the radiography program by completing a La Roche University admission application. You can **click here** to download an application in PDF format.
- Career Shadowing appointments are conducted at Heritage Valley Kennedy Hospital Monday through Friday from 7:30 a.m. until approximately 12:00 p.m. Appointments may be scheduled by calling Heritage Valley Kennedy School of Radiography at 412-777-6200.

* 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 Heritage Valley Kennedy Hospital 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.

Courses

The required course work consists of:

Academic Core Curriculum: 18 credits including two Breadth of Knowledge courses

Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012
Digital Literacy	ISTC1010
Intro to Psychology	PSYC1021

Health Sciences - (radiologic technology courses taught at Heritage Valley Kennedy School of Radiography): 28 credits

Radiologic Technology I	HSCU2001
Clinical Education I	HSCU2002
Radiography Technology II	HSCU2003
Clinical Education II	HSCU2004
Radiologic Technology III	HSCU2005
Clinical Education III	HSCU2006
RadiologicTechnology IV	HSCU2007
Clinical Education IV	HSCU2008
Radiologic Technology V	HSCU2009
Clinical Education V	HSCU2010
Radiologic Technology VI	HSCU2011
Clinical Education VI	HSCU2012
Clinical Education VII	HSCU2013

Natural Science & Mathematics: 21 credits

Life Science	BIOL1001
Medical Terminology	BIOL1020
Human Anatomy & Physiology I	BIOL1023
Human Anatomy & Physiology I-Lab	BIOL1023L
Human Anatomy & Physiology II	BIOL1024
Human Anatomy & Physiology II-Lab	BIOL1024L
College Algebra	MATH1010
Physics for Health Sciences	PHYS1010
Physics for Health Science-Lab	PHYS1010L

Applied Physics Minor

A total of 24 credits is required for completion of a minor in Applied Physics. Students must achieve a minimum GPA of 2.0 in the following courses to qualify for the minor. NOTE: All labs are zero (0) credits and must be taken with the corresponding course.

Required Courses:

Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L
Physics III	PHYS2030
Physics III-Lab	PHYS2030L
Analog Electronics I	PHYS2080
Analog Electronics I-Lab	PHYS2080L
Digital Electronics II	PHYS3080
Digital Electronics II-Lab	PHYS3080L

Six (6) credits (2 courses) selected from the following:

Computational Physics	PHYS3075
Electronic Communication	PHYS3082
Electronic Communication-Lab	PHYS3082L
Physics of Information Theory	PHYS4075
Instrumentation Physics	PHYS4080
Instrumentation Physics-Lab	PHYS4080L

Biology 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: 8 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006

Chemistry 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 Chemistry Courses: (Select CHEM3011/L or CHEM4032/L or CHEM4033/L)

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II-Lab	CHEM2016L
Analytical Chemistry I	CHEM3011
Analytical Chemistry I-Lab	CHEM3011L
Physical Chemistry I	CHEM4032
Physical Chemistry I-Lab	CHEM4032L
Physical Chemistry II	CHEM4033
Physical Chemistry II-Lab	CHEM4033L
Chemistry Elective	CHEMXXXX

Computer Science 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.

Computer Science Minor: Required Course: Choose one: 3 credits

Discrete Structures For Computer Science	CSCI2017
Discrete Mathematics I	MATH2050

Computer Science Minor: Required Courses: 14 credits

Introduction to Computer Science	CSCI1002
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Algorithm Analysis	CSCI2020

Minor Electives: Choose 2 courses: 6 credits

Computer Forensics Investigations	CRIM4030
Systems Programming	CSCI2025
Computer Organization & Design	CSCI2035
Database Systems Theory	CSCI2055
Operating Systems	CSCI3040
Computer Security	CSCI3042
Principals of Programming Languages	CSCI4040
Advanced Computer Security	CSCI4042
Computer Networks and Distributed Applications	CSCI4045
Computer Science-4000 level	CSCI4XXX
Discrete Mathematics II	MATH2051

Computer Security and Forensics 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: 9-12 credits (Select CSCI1010/L OR ISTC3034 AND ISTC2030 OR CSCI4045)

Introduction to Computer Science	CSCI1002
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Computer Networks and Distributed Applications	CSCI4045
Computer Hardware	ISTC1025
Networking	ISTC2030
Computer Programming in Java	ISTC3034

Criminology Component: 6 credits

Intro Criminal Justice	CRIM1001
Criminal Law	CRIM3010

Security Component: 9 credits

Computer Crime	CRIM3043

Computer Forensics Investigations	CRIM4030
Computer Security	CSCI3042

Criminal Justice 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).

Minor Requirements: 15 credits

Intro Criminal Justice	CRIM1001
Constitutional Law	CRIM3005
Criminal Law	CRIM3010
Criminal Justice Elective	CRIMXXXX

Criminalistics 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).

Criminalistics Minor Track 1: For Biology & Chemistry Majors: 16 credits

Intro Criminal Justice	CRIM1001
Constitutional Law	CRIM3005
Crime Scene Investigation & Forensics	CRIM3040
CSI II - Criminalistics	CRIM3041
Criminal Investigations	CRIM3045

Criminalistics Minor Track 2: For Criminal Justice Majors: 15 credits

General Biology I	BIOL1003
General Biology I-Lab	BIOL1005
General Chemistry I	CHEM1001
General Chemistry I-Lab	CHEM1003
Crime Scene Investigation & Forensics	CRIM3040
CSI II - Criminalistics	CRIM3041

Exercise & Sport Science 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

Exercise & Sport Science Foundation Courses: 8 or 6 credits

Human Anatomy & Physiology I	BIOL1023
Human Anatomy & Physiology I-Lab	BIOL1023L
Human Anatomy & Physiology II	BIOL1024
Human Anatomy & Physiology II-Lab	BIOL1024L

Exercise & Sport Science Minor Elective: Choose 1: 3 credits

Kinesiology	EXSP2014
Social and Political Aspects of Health and Wellness	EXSP2015
Fitness Testing & Exercise Prescription	EXSP3030
Strength and Conditioning	EXSP4003
Clinical Exercise Physiology	EXSP4005

Exercise & Sports Science - Internship I	EXSP4051

Exercise & Sport Science Minor Required Courses: 10 credits

Motor Learning, Control & Development	EXSP3005
Biomechanics	EXSP3007
Exercise Physiology & Sports Nutrition	EXSP3025
Exercise Physiology & Sports Nutrition-Lab	EXSP3025L

Mathematics 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: 24 credits

Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Linear Algebra	MATH3015

Molecular Biology

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: 12 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Molecular Biology	BIOL4030
Molecular Biology-Lab	BIOL4031

Select at least 12 additional credits from the following courses:

Microbiology	BIOL2025
Genetics	BIOL3013
Genetics-Lab	BIOL3014
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Biochemistry I-Lab	BIOL3037
Biochemistry II	BIOL3038
Immunology	BIOL4019
Immunology-Lab	BIOL4020

Pre-Law 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 - 3 credits:

- PHIL3-4XXX: Upper-level Philosophy
- PSYC3-4XXX: Upper-level Psychology
- SOCL3-4XXX: Upper-level Sociology
- ENGL3-4XXX: Upper-level English or Literature
- HIST3-4XXX: Upper-level History

Pre-Law Required Courses: 15 credits

Senior Capstone Experience	CRIM4055
Technical Writing	ENGL2030
Logic	PHIL1020
Ethics	PHIL2026
Constitutional Law	POLI3005

Psychology 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:

Intro to Psychology	PSYC1021
Research Methods in Psychology	PSYC3011
Critical Skills for Psychology Students	PSYC3070

Forensic Psychology Certificate

The Department of Psychology, in coordination with the Department of Law, Justice and Security, offers a certificate in Forensic Psychology. The certificate will be awarded to students who successfully complete the course requirements and demonstrate a basic understanding and knowledge of selected subject matter in Psychology and Criminal Justice.

Required Courses: 21 Credits

Intro Criminal Justice	CRIM1001
Theories of Criminal Deviance	CRIM3030
Intro to Psychology	PSYC1021
Forensic Psychology	PSYC2065
Research Methods in Psychology	PSYC3011
Abnormal Psychology	PSYC3023
Criminal Behavior: Law & Psychology	PSYC3063

Global Health Care 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: 12 credits

Health Services	HMGT3035
Global Health Care	HSCU2016
Introduction to International Studies	INST2013
Race, Class, Gender: An Introduction to Sociology	SOCL1021

Health Leadership 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.

Health Leadership Required Courses: 12 credits

Health Finance for the Health Sciences	HMGT3010
Management & Leadership for the Health Sciences	HMGT3030
Health Services	HMGT3035
Biomedical Ethics	PHIL3027

Bioengineering - Pitt

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 progarm 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: 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: 16 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Comparative Vertebrate Anatomy & Physiology I	BIOL2021
Comparative Vertebrate Anatomy & Physiology I-Lab	BIOL2021L
Comparative Vertebrate Anatomy & Physiology II	BIOL2022
Comparative Vertebrae Anatomy & Physiology II-Lab	BIOL2022L

Chemistry : 4-8 credits (CHEM2016/L Optional)

Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L

Engineering : Taken at University of Pittsburgh

Statistics & Mechanics of Materials 1	ENGR0135

Engineering/Science Elective (Pre-approved list): 3 credits

Microbiology	BIOL2025

Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
General Ecology	BIOL3015
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Immunology	BIOL4019
Molecular Biology	BIOL4030
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Algorithm Analysis	CSCI2020
Systems Programming	CSCI2025
Systems Programming-Lab	CSCI2025L
Database Systems Theory	CSCI2055
Operating Systems	CSCI3040
Computer Networks and Distributed Applications	CSCI4045
Advanced Database Theory	CSCI4055
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Probability & Statistics II	MATH3045
History of Mathematics	MATH4003
Modern Abstract Algebra	MATH4015
Geometry	MATH4020
Real Analysis	MATH4035

Foundation Courses (Includes 18 credits of Humanities and Social Science courses): 46 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Mathematics: 13 credits

Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Linear Algebra	MATH3015
Probability & Statistics I	MATH3040

Chemical Engineering - Pitt

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 or have a written plan in place to show how these requirements will be met at the University of Pittsburgh

Advanced Science Lab: 1 credit- choose one course

Organic Chemistry II-Lab	CHEM2016L
Analytical Chemistry I-Lab	CHEM3011L

Physical Chemistry II-Lab	CHEM4033L

Advanced Science: 3 credits- choose one course

Analytical Chemistry I	CHEM3011
Polymer Chemistry	CHEM3015
Inorganic Chemistry	CHEM3026

Chemistry: 10 credits

Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Biochemistry I	CHEM3036

Engineering Electives: 3-4 credits- choose one course (ENGR courses offered at University of Pittsburgh)

Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Materials Structure & Properties	ENGR0022
Statistics & Mechanics of Materials 1	ENGR0135

Engineering/Science Elective (Pre-approved list): 3 credits

Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
General Ecology	BIOL3015
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Immunology	BIOL4019
Molecular Biology	BIOL4030
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Algorithm Analysis	CSCI2020
Systems Programming	CSCI2025
Systems Programming-Lab	CSCI2025L
Database Systems Theory	CSCI2055
Operating Systems	CSCI3040
Numerical Computing I	CSCI4050
Advanced Database Theory	CSCI4055
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Probability & Statistics II	MATH3045
History of Mathematics	MATH4003
Modern Abstract Algebra	MATH4015
Geometry	MATH4020
Real Analysis	MATH4035

Foundation Courses (Includes 18 credits of Humanities and Social Science courses): 46 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Mathematics: 10 credits

Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Probability & Statistics I	MATH3040

Computer Engineering - Pitt

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: 3 credits- choose one course

Academic Writing and Research	ENGL1012
Business Communications	ENGL2029
Technical Writing	ENGL2030
Modern Public Speaking	SPCH1001

Computer Science: 4 credits

Programming II	CSCI2010
Programming II-Lab	CSCI2010L

Engineering/Science Elective (Pre-approved list): 3 credits

Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
General Ecology	BIOL3015
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Immunology	BIOL4019
Molecular Biology	BIOL4030
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Algorithm Analysis	CSCI2020
Systems Programming	CSCI2025
Systems Programming-Lab	CSCI2025L
Database Systems Theory	CSCI2055
Operating Systems	CSCI3040
Computer Networks and Distributed Applications	CSCI4045
Advanced Database Theory	CSCI4055
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Probability & Statistics II	MATH3045
History of Mathematics	MATH4003
Modern Abstract Algebra	MATH4015
Geometry	MATH4020
Real Analysis	MATH4035

Foundation Courses (Includes 18 credits of Humanities and Social Science courses): 46 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033

Physics II-Lab	PHYS1033L

Mathematics: 6 credits

Ordinary Differential Equations	MATH2031
Linear Algebra	MATH3015

Electrical Engineering - Pitt

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: 3 credits- choose one course

Academic Writing and Research	ENGL1012
Business Communications	ENGL2029
Technical Writing	ENGL2030
Modern Public Speaking	SPCH1001

Engineering/Science Elective (Pre-approved list): 3 credits

Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
General Ecology	BIOL3015
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Immunology	BIOL4019
Molecular Biology	BIOL4030
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Algorithm Analysis	CSCI2020
Systems Programming	CSCI2025
Systems Programming-Lab	CSCI2025L
Database Systems Theory	CSCI2055
Operating Systems	CSCI3040
Computer Networks and Distributed Applications	CSCI4045
Advanced Database Theory	CSCI4055
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Probability & Statistics II	MATH3045
History of Mathematics	MATH4003
Modern Abstract Algebra	MATH4015
Geometry	MATH4020
Real Analysis	MATH4035

Foundation Courses (Includes 18 credits of Humanities and Social Science courses): 46 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Physics I	PHYS1032

Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Mathematics: 13 credits

Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Linear Algebra	MATH3015
Probability & Statistics I	MATH3040

Engineering Science-Nanotechnology: Chemistry/Bioengineering Emphasis - Pitt

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: 9-11 credits: choose three courses (with labs if applicable)

Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Inorganic Chemistry	CHEM3026
Biochemistry I	CHEM3036
Physical Chemistry I	CHEM4032
Physical Chemistry II	CHEM4033

Engineering : Taken at University of Pittsburgh

Materials Structure & Properties	ENGR0022

Foundation Courses (Includes 18 credits of Humanities and Social Science courses): 46 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Mathematics: 16 credits

Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Linear Algebra	MATH3015
Probability & Statistics I	MATH3040

Industrial Engineering - Pitt

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: 3 credits

Modern Public Speaking	SPCH1001

Engineering Electives: 9 credits- choose three courses

Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Materials Structure & Properties	ENGR0022
Statistics & Mechanics of Materials 1	ENGR0135
Intro to Thermodynamics	MEMS0051

Engineering/Science Elective (Pre-approved list): 3 credits

Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
General Ecology	BIOL3015
Cell Biology	BIOL3026
Biochemistry I	BIOL3036
Immunology	BIOL4019
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Algorithm Analysis	CSCI2020
Systems Programming	CSCI2025
Systems Programming-Lab	CSCI2025L
Database Systems Theory	CSCI2055
Operating Systems	CSCI3040
Computer Networks and Distributed Applications	CSCI4045
Advanced Database Theory	CSCI4055
Discrete Mathematics I	MATH2050
Discrete Mathematics II	MATH2051
Probability & Statistics II	MATH3045
History of Mathematics	MATH4003
Modern Abstract Algebra	MATH4015
Geometry	MATH4020
Real Analysis	MATH4035

Engineering: 6 credits

Database Systems Theory	CSCI2055
Engineering Economic Analysis	IE1040

Foundation Courses (Includes 18 credits of Humanities and Social Science courses): 46 credits

General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Analytic Geometry & Calculus I	MATH1032

Analytic Geometry & Calculus II	MATH1033
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Mathematics: 13 credits

Analytic Geometry & Calculus III	MATH2030
Ordinary Differential Equations	MATH2031
Linear Algebra	MATH3015
Probability & Statistics I	MATH3040
Probability & Statistics II	MATH3045

Pre-Chiropractic - Palmer College of Chiropractic

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 Math Component: 32 Credits

Human Anatomy & Physiology II	BIOL1024
Principles of Chemistry I-Lab	CHEM1008
Principles of Chemistry II	CHEM1017
Probability & Statistics	MATH1040
Normal and Clinical Nutrition	NSCI1025
Physics for Health Sciences	PHYS1010
Physics for Health Science-Lab	PHYS1010L

Science and Mathematics Component: 32 credits

Medical Terminology	BIOL1020
Human Anatomy & Physiology I	BIOL1023
Human Anatomy & Physiology I-Lab	BIOL1023L
Human Anatomy & Physiology II-Lab	BIOL1024L
Principles of Chemistry I	CHEM1007
Principles of Chemistry II-Lab	CHEM1018

Pre-Dental LECOM

To successfully enter this program, the following conditions must be met:

- Minimum SAT>=1170 (if taken prior to March 2016) or 1240 (if taken March 2016 or later), or ACT>=26
- High School GPA>=3.5
- US Citizen or lawful permanent resident
- Current La Roche University student not meeting minimum SAT/ACT or HS GPA but meeting overall GPA and science GPA after 1st year are eligible to apply to LECOM
- Must apply to LECOM prior to starting their 3rd year

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing a La Roche University 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 English)
- 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 but a replacement course applicable to the field of dental medicine or a course of similar academic rigor must be taken instead
- Summer courses may not be taken unless required for sequential scheduling and must be approved by LECOM
- Up to 2 courses + labs may be taken at another institution but cannot reduce course load
- Minimum of 14 credits must be taken per semester and semester GPA >=3.2
- DAT required. No minimum score specified, but typically >18
- 100 hours of job shadowing in a dental setting is recommended

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 School of Dental Medicine is located in Erie, PA. Students apply using AADSAS application process.

Additional Science Recommendations:

Comparative Vertebrate Anatomy & Physiology I	BIOL2021
Comparative Vertebrate Anatomy & Physiology I-Lab	BIOL2021L
Comparative Vertebrate Anatomy & Physiology II	BIOL2022
Comparative Vertebrae Anatomy & Physiology II-Lab	BIOL2022L
Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
Genetics	BIOL3013
Cell Biology	BIOL3026
Immunology	BIOL4019
Physics I	PHYS1032
Physics I-Lab	PHYS1032L

Humanities Component: 6 credits

Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012

Science Component: 27 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Biochemistry I	BIOL3036
General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L

Pre-Optometry (Salus University)

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: 56 Credits (Select BIOL1015/L OR BIOL2025/L)

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
Microbiology for Health Sciences	BIOL1015
Microbiology for Health Sciences-Lab	BIOL1015L
Microbiology	BIOL2025
Microbiology-Lab	BIOL2025L
General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L
Intro to Psychology	PSYC1021

Pre-Osteopathic Medicine LECOM

To successfully enter this program, the following conditions must be met:

- Minimum SAT>=1170 (if taken prior to March 2016) or 1240 (if taken March 2016 or later), or ACT>=26
- High School GPA>=3.5
- US Citizen or lawful permanent resident
- Current La Roche University student not meeting minimum SAT/ACT or HS GPA but meeting overall GPA and science GPA after 1st year are eligible to apply to LECOM
- Must apply to LECOM prior to start of 2nd year for 3+4 track and 3rd year for 4+4 track

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing a La Roche University major. There are two tracks for Phase I: a 3+4 and 4+4. Students in the 3+4 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 medical courses to complete their major prior to entering Phase II.

To successfully enter Phase II. the following pre-requisites (in conjunction with the requirements of another LRU major) are required:

- 40 credits (28 Science and 12 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 only, but a replacement course applicable to the field of medicine or course of similar academic rigor must be taken instead
- Summer courses may not be taken unless required for sequential scheduling and must be approved by LECOM
- Up to 2 courses + labs may be taken at another institution but cannot reduce course load
- 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>=3.2
- MCAT is not required except for special cases, minimum score is TBD (In order to be exempt, you must take 3 credits of Biochemistry and 3 credits of Genetics)
- 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 (including Seton Hill, Greensburg) and Bradenton, FL. Students apply to either but not both.

Humanities Component:12 credits: includes 6 credits of Behavioral Science

Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012

Science Component: 28 credits (CHEM3036/3037 may be substituted for CHEM2016/L; PHYS1010 may be substituted for PHYS1032/L)

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Biochemistry I	CHEM3036
Biochemistry I-Lab	CHEM3037
Physics for Health Sciences	PHYS1010
Physics for Health Science-Lab	PHYS1010L
Physics I	PHYS1032
Physics I-Lab	PHYS1032L

Pre-Pharmacy LECOM

To successfully enter this program, the following conditions must be met:

- Minimum SAT>=1170 (if taken prior to March 2016) or 1240 (if taken March 2016 or later), or ACT>=26 (students in 3+ track without SAT/ACT scores must take PCAT)
- High School GPA>=3.5
- US Citizen or lawful permanent resident
- Current La Roche University student not meeting minimum SAT/ACT or HS GPA but meeting overall GPA and science GPA after 1st year are eligible to apply to LECOM
- Must apply to LECOM prior to start of 2nd year for 3+ track and 3rd year for 4+ track

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing a La Roche University major. 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 LRC major and have in place a plan for transferring back LECOM Pharmacy courses to complete their major prior to entering Phase II.

To successfully enter Phase II, the following pre-requisites (in conjunction with the requirements of another LRU major) are required:

- 62 credits (35 Science, 12 Humanities, and 15 General Electives)
- 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 but a replacement course applicable to the field of Pharmacy or a course of similar academic rigor must be taken instead
- Summer courses may not be taken unless required for sequential scheduling and must be approved by LECOM
- Up to 2 courses + labs may be taken at another institution but cannot reduce course load
- Minimum course load of 14 credits must be taken per semester and semester GPA>=3.0 to remain in the program
- Minimum overall GPA>=3.4 and minimum science GPA>=3.2
- 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

Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012

Science Component: 35 credits

General Biology I	BIOL1003
General Biology II	BIOL1004
General Biology I-Lab	BIOL1005
General Biology II-Lab	BIOL1006
General Chemistry I	CHEM1001
General Chemistry II	CHEM1002
General Chemistry I-Lab	CHEM1003
General Chemistry II-Lab	CHEM1004
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Analytic Geometry & Calculus I	MATH1032
Probability & Statistics	MATH1040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L

Software Engineering - Gannon

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 : 12 credits

Logic	PHIL1020
Ethics	PHIL2026
New Testament	RELS1002
World Religions	RELS1003

Mathematics and Science Component: 38 credits

Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Systems Programming	CSCI2025
Systems Programming-Lab	CSCI2025L
Analytic Geometry & Calculus I	MATH1032
Analytic Geometry & Calculus II	MATH1033
Analytic Geometry & Calculus III	MATH2030
Discrete Mathematics I	MATH2050
Probability & Statistics I	MATH3040
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

Required in LRC major core: 6 credits

Introduction to Philosophy	PHIL1021

Doctor of Nurse Anesthesia Practice Completion Program

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 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.
- Adhere to the American Nurse Anesthetist Association’s (AANA) Code of Ethics and Practice standards.

Click here for admission requirements.

DNAP Completion Program:

Required Courses: 26 credits

Medical Statistics	DNAP7000
Evaluation & Decision Making for Health Services Programs	DNAP7001
Systematic Leadership I	DNAP7002
Health Policy & Health Care Economics	DNAP7003
Systematic Leadership II	DNAP7004
Teaching Strategies in Classroom & Clinical Settings	DNAP7005
Scholarly Project I	DNAP7019
Scholarly Writing	DNAP7024
Scholarly Project II	DNAP7029
Scholarly Project III	DNAP7039
Scholarly Project IV	DNAP7049

Doctor of Nurse Anesthesia Practice Entry Level Program

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: 13 credits

Medical Statistics	DNAP7000
Health Policy & Health Care Economics	DNAP7003
Medical Physics	DNAP7009
Research Methodology I	DNAP7011
Scholarly Writing	DNAP7024

Year 1, Spring: 13 credits

Evaluation & Decision Making for Health Services Programs	DNAP7001
Advanced Human Anatomy, Physiology & Pathophysiology I	DNAP7012
Advanced Pharmacology I	DNAP7013
Organic and Medicinal Chemistry	DNAP7014

Year 1, Summer: 12 credits

Biochemistry	DNAP7015
Professional Aspects of Anesthesia	DNAP7016
Advanced Human Anatomy, Physiology & Pathophysiology II	DNAP7022
Advanced Pharmacology II	DNAP7023

Year 2, Fall: 10 credits

Practicum I	DNAP7010
Advanced Health Assessment	DNAP7017
Anesthesia Principles I	DNAP7018
Nursing Research II: Evidence Based Nursing Practice	DNAP7021

Year 2, Spring: 10 credits

Systematic Leadership I	DNAP7002
Teaching Strategies in Classroom & Clinical Settings	DNAP7005
Practicum II	DNAP7020
Anesthesia Principles II	DNAP7028

Year 2, Summer: 8 credits

Systematic Leadership II	DNAP7004
Scholarly Project I	DNAP7019
Practicum III	DNAP7030
Anesthesia Principles III	DNAP7038

Year 3, Fall: 7 credits

Scholarly Project II	DNAP7029
Practicum IV	DNAP7040
Advanced Anesthesia Principles IV	DNAP7048

Year 3, Spring: 7 credits

Scholarly Project III	DNAP7039
Practicum V	DNAP7050
Advanced Anesthesia Principles V	DNAP7058

Year 3, Summer: 7 credits

Scholarly Project IV	DNAP7049
Practicum VI	DNAP7060
Advanced Anesthesia Principles VI	DNAP7068

Other Divisions

Programs of Study

Majors

Interdisciplinary Studies (Self-Design)	BA/BS
Undeclared	Other

Detail - General/Other Division

Interdisciplinary Studies (Self-Design)

The Self-Design program offers students the opportunity to work with departmental faculty to create their own program guides in ways that help meet their specific educational objectives and career goals.

Several factors to consider:

- A description or program guide of your intended major from another college or university
- Knowledge of the competencies you need for achieving your goals and for advancing in your chosen major or career.
  To successfully complete the Self-Designed Major, the following coursework is required:
  - 40 credits of CORE Curriculum courses
  - 48-51 credits from a minimum of two academic disciplines (24 credits in one discipline, 21 credits in the second discipline and a 3-6 credit capstone course); or a maximum of three academic disciplines (15 credits in each discipline and a 3-6 credit capstone course). To maintain an appropriate level of vigor within the major, the program plan must contain coursework at the 3000-4000 level, as determined by the Program Development Committee.
  - 29-32 credits of General Electives (depending on whether the capstone is 3 or 6 credits)
  - A minimum of 120 credits are required for degree, the last 30 of which must be earned at La Roche University.
    In the event that core courses are waived in accordance with La Roche University policy, general electives will be increased to meet the required 120.

CORE Requirements: 40 credits

Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012
Digital Literacy	ISTC1010
LRX: Foundations	LRUX1001
LRX: Service-Learning	LRUX2500
College Algebra	MATH1010

Undeclared

The purpose of the Undeclared Program is to provide a guide outlining the core curriculum requirements for those students that have not yet declared a major.

To qualify for a degree from La Roche University a student must do the following:

- Complete the courses below as "CORE Curriculum Requirements" for all majors
- Successfully earn a minimum of 120-132 credits, the last 30 of which must be earned at La Roche University
- Select a major and complete a program of studies that meets the department requirements and the approval of his/her advisor
- Achieve a minimum GPA of 2.0 or "C" overall and a GPA of 2.0 (or higher as designated by certain departments) in the area of the declared major.

Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012
Digital Literacy	ISTC1010
LRX: Intro & History	LRCX1001
LRX: Service-Learning	LRUX2500
College Algebra	MATH1010

Course Descriptions

Detail

ACCT1001
ACCOUNTING CONCEPTS
Credits (Min/Max): 3/3

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.

ACCT2003
ACCOUNTING I
Credits (Min/Max): 3/3

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.

ACCT2004
ACCOUNTING II
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2003 - ACCOUNTING I

ACCT2013
MANAGERIAL ACCOUNTING
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2003 - ACCOUNTING I

ACCT2025
ACCOUNTING WITH COMPUTERS
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

ACCT3001
TAXATION I
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

ACCT3002
TAXATION II
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

ACCT3011
INTERMEDIATE ACCOUNTING I
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

ACCT3012
INTERMEDIATE ACCOUNTING II
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

ACCT3014
COST ACCOUNTING
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2013 - MANAGERIAL ACCOUNTING

ACCT4001
ADVANCED ACCOUNTING
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT3012 - INTERMEDIATE ACCT. II

ACCT4002
AUDITING
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT3012 - INTERMEDIATE ACCT. II

ACCT4040
SPECIAL TOPICS IN ACCOUNTING
Credits (Min/Max): 3/3

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.

ACCT4051
INTERNSHIP - ACCOUNTING
Credits (Min/Max): 1/6

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.

ACCT4052
INTERNSHIP II - ACCOUNTING
Credits (Min/Max): 1/6

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.

ACCT5020
ETHICS AND PROFESSIONAL RESPONSIBILITIES IN ACCOUNTING
Credits (Min/Max): 3/3

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.

ACCT5035
MODERN ACCOUNTING INFORMATION SYSTEMS
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT5040
THE BUSINESS OF READING AND WRITING
Credits (Min/Max): 3/3

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.

ACCT5050
FRAUD EXAMINATION
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT6020
ADVANCED FORENSIC ACCOUNTING
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT6050
WEALTH MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT6060
ACCOUNTING FOR NOT-FOR-PROFIT ENTITIES
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT6070
ADVANCED FINANCIAL MANGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT6080
CONTEMPORARY ISSUES IN TAXATION
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT6085
INTERNATIONAL ACCOUNTING
Credits (Min/Max): 3/3

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.

PreRequisites:

ACCT6099
APPLIED RESEARCH
Credits (Min/Max): 3/3

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.

ADMG1001
INTRO TO ADMINISTRATION AND MANAGEMENT
Credits (Min/Max): 3/3

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.

ADMG1005
MACROECONOMICS
Credits (Min/Max): 3/3

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.

ADMG1006
MICROECONOMICS
Credits (Min/Max): 3/3

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.

ADMG1018
FUNDAMENTALS OF MANAGEMENT
Credits (Min/Max): 3/3

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.

ADMG2007
ADVERTISING AND PUBLIC RELATIONS (MRKT2007)
Credits (Min/Max): 3/3

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

ADMG2009
BUSINESS LAW I
Credits (Min/Max): 3/3

This coure is an introduction to law and legal procedure. Contracts, their nature and requisites formation, operations, interpretation, discharge and remedies are discussed.

ADMG2010
BUSINESS LAW II
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2009 - BUSINESS LAW I

ADMG2018
ORGANIZATIONAL BEHAVIOR
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG1018 - FUNDAMENTALS OF MANAGEMENT

ADMG2021
MARKETING MANAGEMENT (MRKT2021)
Credits (Min/Max): 3/3

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

ADMG2025
HUMAN RESOURCES ADMINISTRATION
Credits (Min/Max): 3/3

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.

ADMG2040
INNOVATION AND ENTREPRENEURSHIP
Credits (Min/Max): 3/3

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.

ADMG3003
INTERNATIONAL POLITICAL ECONOMY (INST3003)
Credits (Min/Max): 3/3

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

PreRequisites: ADMG1005 - MACROECONOMICS

ADMG3008
BUSINESS AND SOCIETY
Credits (Min/Max): 3/3

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.

ADMG3010
BUSINESS ORGANIZATION AND REGULATION
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2009 - BUSINESS LAW I

ADMG3015
PROJECT MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG1018 - FUNDAMENTALS OF MANAGEMENT

ADMG3024
PROFESSIONAL PRESENTATION
Credits (Min/Max): 3/3

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.

ADMG3025
CASE STUDIES USING ADVANCED EXCEL (ISTC3025)
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ADMG4019
SPORTS AND ENTERTAINMENT MANAGEMENT (MRKT4019)
Credits (Min/Max): 3/3

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 practices, law and governance, facilities and venues, marketing, ethical applications, broadcasting, sales, event management, agency, advertising, sponsorship, international entertainment will be addressed. Cross-listed with MRKT4019

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

ADMG4020
OPERATIONS MANAGEMENT
Credits (Min/Max): 3/3

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.

ADMG4036
ORGANIZATION THEORY
Credits (Min/Max): 3/3

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.

ADMG4040
BUSINESS ETHICS: TOPICS AND ISSUES IN A AND M
Credits (Min/Max): 3/3

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.

ADMG4051
INTERNSHIP I - ADMINSTRATION AND MANAGEMENT
Credits (Min/Max): 1/6

A field experience in an administrative or managerial position, supervised by a field instructor as well as college faculty.

ADMG4055
SEMINAR - BUSINESS POLICY
Credits (Min/Max): 3/3

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.

ARTH1017
HISTORY OF ART I: PREHISTORIC TO GOTHIC
Credits (Min/Max): 3/3

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.

ARTH1018
HISTORY OF ART II: RENAISSANCE TO MODERN
Credits (Min/Max): 3/3

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.

ARTH2002
HISTORY OF GRAPHIC DESIGN
Credits (Min/Max): 3/3

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.

ARTH3016
HISTORY OF FILM (GCDN3016)
Credits (Min/Max): 3/3

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

ARTH3020
HISTORY OF CONTEMPORARY ART
Credits (Min/Max): 3/3

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.

BIOL1000
LIFE SCIENCE-LAB
Credits (Min/Max): 1/1

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.

BIOL1001
LIFE SCIENCE (SLSC)
Credits (Min/Max): 3/3

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)

BIOL1002
INTRO TO THE HUMAN BODY:SYSTEMS THAT MOVE YOU
Credits (Min/Max): 3/3

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.

BIOL1003
GENERAL BIOLOGY I
Credits (Min/Max): 3/3

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.

BIOL1004
GENERAL BIOLOGY II
Credits (Min/Max): 3/3

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.

BIOL1005
GENERAL BIOLOGY I - LAB
Credits (Min/Max): 1/1

Selected experiments chosen to emphasize principles presented in the General Biology lecture courses.

BIOL1006
GENERAL BIOLOGY II - LAB
Credits (Min/Max): 1/1

Selected experiments chosen to emphasize principles presented in the General Biology lecture courses.

BIOL1007
INTRO TO BIOLOGY: BUGS AND BREW (SLSC)
Credits (Min/Max): 3/3

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)

BIOL1015
MICROBIOLOGY FOR HEALTH SCIENCES
Credits (Min/Max): 3/3

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.

BIOL1015L
MICROBIOLOGY FOR HEALTH SCIENCES - LAB
Credits (Min/Max): 1/1

Lab for BIOL1015: Microbiology for Health Sciences

BIOL1020
MEDICAL TERMINOLOGY
Credits (Min/Max): 3/3

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.

BIOL1023
HUMAN ANATOMY AND PHYSIOLOGY I
Credits (Min/Max): 3/3

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.

BIOL1023L
HUMAN ANATOMY AND PHYSIOLOGY I - LAB
Credits (Min/Max): 1/1

Laboratory for BIOL1023: Anatomy & Physiology I

BIOL1024
HUMAN ANATOMY AND PHYSIOLOGY II
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1023 - ANATOMY & PHYSIOLOGY I

BIOL1024L
HUMAN ANATOMY AND PHYSIOLOGY II - LAB
Credits (Min/Max): 1/1

Laboratory for BIOL1024: Anatomy and Physiology II.

BIOL1030
BIOLOGY OF AGING
Credits (Min/Max): 3/3

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.

BIOL2021
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY I
Credits (Min/Max): 4/4

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL2021L
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY I - LAB
Credits (Min/Max): 0/0

Laboratory for BIOL2021: Comparative Vertebrate Anatomy and Physiology I

BIOL2022
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY II
Credits (Min/Max): 4/4

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.

PreRequisites: BIOL2021 - COMPARATIVE VERTEBRATE A&P I

BIOL2022L
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY II - LAB
Credits (Min/Max): 0/0

Laboratory for BIOL20222: Comparative Vertebrate Anatomy and Physiology II

BIOL2025
MICROBIOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL2025L
MICROBIOLOGY - LAB
Credits (Min/Max): 1/1

Laboratory for BIOL2025 Microbiology

BIOL2027
AN EXPLORATION OF THE GALAPAGOS ISLANDS
Credits (Min/Max): 2/2

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.

BIOL3013
GENETICS
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL3014
GENETICS - LAB
Credits (Min/Max): 1/1

Selected experiments will emphasize the principles presented in the lecture course.

BIOL3015
GENERAL ECOLOGY
Credits (Min/Max): 4/4

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL3015L
GENERAL ECOLOGY - LAB
Credits (Min/Max): 0/0

Laboratory for BIOL3015 General Ecology

BIOL3026
CELL BIOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL3028
SPECIAL TOPICS IN BIOLOGY:
Credits (Min/Max): 2/2

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.

PreRequisites: BIOL4019 - IMMUNOLOGY

BIOL3029
CLINICAL SCIENCE (CHEM3029)
Credits (Min/Max): 3/3

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

BIOL3032
VERTEBRATE EMBRYOLOGY
Credits (Min/Max): 4/4

Topics include gametogenesis, fertilization, cleavage, gastrulation and the early development of organ systems in vertebrates. Lecture and laboratory course.

BIOL3032L
VERTEBRATE EMBRYOLOGY - LAB
Credits (Min/Max): 0/0

Laboratory for BIOL3032 Vertebrate Embryology

BIOL3036
BIOCHEMISTRY I (CHEM3036)
Credits (Min/Max): 3/3

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

PreRequisites: CHEM2015 - ORGANIC CHEMISTRY I

BIOL3037
BIOCHEMISTRY I - LAB (CHEM3037)
Credits (Min/Max): 1/1

An introduction to current biochemical techniques including thin layer and column and gas chromatography, electrophoresis, spectrophotometry, and DNA technology. *Cross-listed with CHEM3037*

BIOL3038
BIOCHEMISTRY II (CHEM3038)
Credits (Min/Max): 3/3

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*

BIOL3045
PATHOGENIC MICROBIOLOGY
Credits (Min/Max): 2/2

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.

PreRequisites: BIOL2025 - MICROBIOLOGY

BIOL4017
BIOSOLVE I
Credits (Min/Max): 4/4

BioSOLVE (Biology Student Operated Laboratory Venture) is based on a business model where students will collaborate as contractors with service-oriented individuals or institutions to perform specific, applied laboratory research services. In addition, students will participate in community service associated with the organization or project to which BioSOLVE is Contracted. BioSOLVE is organized as a two-semester course, where BioSOLVE I is analogous to the training period of a new employee in a research laboratory. In this course, students will participate in community service associated with the contracted work, study the role of biologists in providing solutions to community and global problems, study and experience the nature of scientific collaborations, learn the theory behind the relevant laboratory methods, develop proficiency in the laboratory techniques needed to perform the specific contracted work, and learn the skills of complete and accurate note-keeping, data processing and scientific writing.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL4017L
BIOSOLVE I - LAB
Credits (Min/Max): 0/0

Laboratory for BIOL4017 BioSOLVE I

BIOL4018
BIOSOLVE II
Credits (Min/Max): 2/2

BioSOLVE (Biology Student Operated Laboratory Venture) is based on a business model where students collaborate as contractors with service-oriented individuals or institutions to perform specific, applied laboratory research services. In addition, students participate in community service associated with the organization or project to which BioSOLVE is contracted. BioSOLVE is organized as a two-semester course, where BioSOLVE I is analogous to the training period of a new employee in a research laboratory and BioSOLVE II mimics the continued work of the trained employee. In BioSOLVE II, students continue to participate in community service associated with the contracted work, study the role of biologists in providing solutions to community and global problems, and study and experience the nature of scientific collaborations begun in BioSOLVE I. However, the major effort of BioSOLVE II will be dedicated to performing the specific contracted laboratory research for which students were trained in BioSOLVE I.

PreRequisites: BIOL4017 - BIOSOLVE I

BIOL4018L
BIOSOLVE II - LAB
Credits (Min/Max): 0/0

Laboratory for BIOL4018 BioSolve II

BIOL4019
IMMUNOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL4020
IMMUNOLOGY - LAB
Credits (Min/Max): 1/1

This course introduces laboratory techniques in immunology.

BIOL4030
MOLECULAR BIOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

BIOL4031
MOLECULAR BIOLOGY - LAB
Credits (Min/Max): 1/1

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.

BIOL4055
SEMINAR IN BIOLOGY I
Credits (Min/Max): 1/1

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.

BIOL4057
INDEPENDENT STUDY - BIOLOGY
Credits (Min/Max): 1/4

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.

BIOL4059
SEMINAR IN BIOLOGY
Credits (Min/Max): 2/2

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

CFST2010
SURVEY OF HELPING PROFESSIONS AND FAMILY POLICY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

CFST3025
CONTEMPORARY FAMILY STYLES
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

CFST4055
SENIOR SEMINAR
Credits (Min/Max): 3/3

This seminar will be conducted during the student's semester of field experience. Students will explore intervention approaches and techniques in working with families and children, along with strategies for identifying one's values and ethics in working with those in need. Students will conduct critical assessments of the functioning of the agencies in which they are placed, as well as increasing their awareness of professional roles and responsibilities in the helping profession.

PreRequisites: PSYC3011 - RESEARCH METHODS IN PSYCHOLOGY

CHEM1001
GENERAL CHEMISTRY I
Credits (Min/Max): 3/3

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.

CHEM1002
GENERAL CHEMISTRY II
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM1001 - GENERAL CHEMISTRY I

CHEM1003
GENERAL CHEMISTRY I - LAB
Credits (Min/Max): 1/1

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.

CHEM1004
GENERAL CHEMISTRY II - LAB
Credits (Min/Max): 1/1

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.

PreRequisites: CHEM1003 - GENERAL CHEMISTRY I-LAB

CHEM1006
INTRO TO CHEMISTRY: BRAVING THE ELEMENTS (SLSC)
Credits (Min/Max): 3/3

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)

CHEM1007
PRINCIPLES OF CHEMISTRY I (SLSC)
Credits (Min/Max): 3/3

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)

CHEM1008
PRINCIPLES OF CHEMISTRY I - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM1007 Principles of Chemistry I

CHEM1011
HEALTH ESSENTIALS IN CHEMISTRY
Credits (Min/Max): 3/3

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.

CHEM1017
PRINCIPLES OF CHEMISTRY II
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM1007 - PRINCIPLES OF CHEM I(SLSC1008)

CHEM1018
PRINCIPLES OF CHEMISTRY II - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM1017 Principles of Chemistry II

PreRequisites: CHEM1008 - PRINCIPLES OF CHEM I-LAB

CHEM1090
INTRO TO CHEM SCHOLAR (MATH1090)
Credits (Min/Max): 1/1

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

CHEM2013
INTRO TO RESEARCH IN CHEMISTRY
Credits (Min/Max): 1/4

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.

CHEM2015
ORGANIC CHEMISTRY I
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM1002 - GENERAL CHEMISTRY II

CHEM2015L
ORGANIC CHEMISTRY I - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM2015

CHEM2016
ORGANIC CHEMISTRY II
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM2015 - ORGANIC CHEMISTRY I

CHEM2016L
ORGANIC CHEMISTRY II - LAB
Credits (Min/Max): 1/1

Lab for CHEM2016 Organic Chemistry

PreRequisites: CHEM2015L - ORGANIC CHEMISTRY I-LAB

CHEM3011
ANALYTICAL CHEMISTRY I
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM1002 - GENERAL CHEMISTRY II

CHEM3011L
ANALYTICAL CHEMISTRY I - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM3011 Analytical Chemistry I

CHEM3012
ANALYTICAL CHEMISTRY II: INSTRUMENTAL METHODS OF ANALYSIS
Credits (Min/Max): 3/3

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.

CHEM3012L
ANALYTICAL CHEMISTRY II - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM3012 Analytical Chemistry II

CHEM3015
POLYMER CHEMISTRY
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM2016 - ORGANIC CHEMISTRY II

CHEM3017
INTRO TO BIOMATERIALS
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM2015 - ORGANIC CHEMISTRY I

CHEM3024
ENVIRONMENTAL CHEMISTRY
Credits (Min/Max): 3/3

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.

CHEM3026
INORGANIC CHEMISTRY
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM2015 - ORGANIC CHEMISTRY I

CHEM3028
SPECIAL TOPICS IN CHEMISTRY:
Credits (Min/Max): 3/3

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.

CHEM3029
CLINICAL SCIENCE (BIOL3029)
Credits (Min/Max): 3/3

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

CHEM3031
ADVANCED TOPICS IN INORGANIC CHEMISTRY
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM3026 - INORGANIC CHEMISTRY

CHEM3036
BIOCHEMISTRY I (BIOL3036)
Credits (Min/Max): 3/3

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

PreRequisites: CHEM2015 - ORGANIC CHEMISTRY I

CHEM3036H
BIOCHEMISTRY I - HONORS
Credits (Min/Max): 3/3

An introduction to the biochemical metabolism of the living cell. Cellular structure, macromolecules, metabolic pathways, energy transformations, regulatory mechanisms and molecular genetics are discussed.

CHEM3037
BIOCHEMISTRY I - LAB (BIOL3037)
Credits (Min/Max): 1/1

An introduction to current biochemical techniques including thin layer and column and gas chromatography, electrophoresis, spectrophotometry, and DNA technology.

CHEM3038
BIOCHEMISTRY II (BIOL3038)
Credits (Min/Max): 3/3

An introduction to current biochemical techniques including thin layer and column and gas chromatography, electrophoresis, spectrophotometry, and DNA technology. Cross-listed with BIOL3038

PreRequisites: BIOL3036 - BIOCHEMISTRY I(CHEM3036)

CHEM3039
BIOCHEMISTRY II - LAB
Credits (Min/Max): 1/1

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.

CHEM3050
FLUORESCENCE THEORY AND APPLICATIONS
Credits (Min/Max): 2/2

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.

PreRequisites: CHEM2016 - ORGANIC CHEMISTRY II

CHEM4032
PHYSICAL CHEMISTRY I
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM2016 - ORGANIC CHEMISTRY II

CHEM4032L
PHYSICAL CHEMISTRY I - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM4032 Physical Chemistry I

CHEM4033
PHYSICAL CHEMISTRY II
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM4032 - PHYSICAL CHEMISTRY I

CHEM4033L
PHYSICAL CHEMISTRY II - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM4033 Physical Chemistry

PreRequisites: CHEM4032L - PHYSICAL CHEMISTRY I-LAB

CHEM4042
PHYSICAL BIOCHEMISTRY
Credits (Min/Max): 3/3

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.

PreRequisites: CHEM3038 - BIOCHEMISTRY II(BIOL3038)

CHEM4051
INTERNSHIP I - CHEMISTRY
Credits (Min/Max): 1/7

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.

CHEM4055
SEMINAR IN CHEMISTRY I
Credits (Min/Max): 1/1

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.

CHEM4056
DIRECTED RESEARCH - CHEMISTRY
Credits (Min/Max): 1/6

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.

CHEM4057
INDEPENDENT STUDY - CHEMISTRY
Credits (Min/Max): 0/4

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.

CHEM4059
SEMINAR IN CHEMISTRY II
Credits (Min/Max): 1/1

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.

CHEM4060
FORENSIC CHEMISTRY
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM3041 - CRIMINALISTICS

CHEM4060L
FORENSIC CHEMISTRY - LAB
Credits (Min/Max): 1/1

Laboratory for CHEM4060 Forensic Chemistry

PreRequisites: CRIM3041 - CRIMINALISTICS

CMET1001
HUMAN COMMUNICATION (SLSO)
Credits (Min/Max): 3/3

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.

CMET1001H
HUMAN COMMUNICATION - HONORS (SLSO1008H)
Credits (Min/Max): 3/3

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

CMET1002
MASS MEDIA AND DIGITAL COMMUNICATION
Credits (Min/Max): 3/3

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.

PreRequisites: CMET1001 - HUMAN COMMUNICATION(SLSO1008)

CMET2001
COMMUNICATION IN ORGANIZATIONS
Credits (Min/Max): 3/3

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.

CMET2003
COMMUNICATION BETWEEN CULTURES
Credits (Min/Max): 3/3

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.

CMET2004
FUND OF COMMUNICATION FOR DESIGN PROFESSIONALS
Credits (Min/Max): 3/3

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.

CMET2005
COMMUNICATION THEORY, RESEARCH AND CRITICISM
Credits (Min/Max): 3/3

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.

PreRequisites: CMET1001 - HUMAN COMMUNICATION(SLSO1008)

CMET2012
COMMUNICATION, SPORTS AND CULTURE
Credits (Min/Max): 3/3

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.

CMET3002
NEW MEDIA AND DIGITAL COMMUNICATION TECHNOLOGY
Credits (Min/Max): 3/3

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.

CMET3005
MESSAGE DESIGN AND MEDIA
Credits (Min/Max): 3/3

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.

CMET3009
SOCIAL MEDIA RESEARCH AND ANALYSIS
Credits (Min/Max): 3/3

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.

CMET3043
POLITICAL COMMUNICATION AND ELECTIONS
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

CMET4001
LEGAL ISSUES OF MEDIA AND DIGITAL COMMUNICATIONS
Credits (Min/Max): 3/3

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.

CMET4002
BROADCASTING, CABLE AND NEW MEDIA
Credits (Min/Max): 3/3

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.

PreRequisites: CMET2005 - COMMUNICATION THEORY, RESEARCH AND CRITICISM

CMET4005
GAMIFICATION
Credits (Min/Max): 3/3

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.

PreRequisites: CMET3007 - INTRODUCTION TO GAMES STUDIES

CMET4040
BROADCAST NEWS MEDIA
Credits (Min/Max): 3/3

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..

PreRequisites: ENGL1012 - COLLEGE WRITING II

CMET4050
SENIOR CAPSTONE
Credits (Min/Max): 3/3

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.

CMET4051
INTERNSHIP I - COMMUNICATION AND MEDIA TECHNOLOGY
Credits (Min/Max): 1/6

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.

CMET4052
INTERNSHIP II - COMMUNICATION, MEDIA AND TECHNOLOGY
Credits (Min/Max): 1/6

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.

CRDV1001
CAREER DEVELOPMENT I
Credits (Min/Max): 1/1

This course provides opportunities and resources for students to seek career information related to academic and occupational planning which form the foundation for sound career decision-making. Students are guided through experiential learning activities to identify personal, academic, and career goals.

CRDV1002
CAREER DEVELOPMENT II
Credits (Min/Max): 1/1

Career Development II (CRDV1002) is an intensive seminar course designed to guide students through the process of implementing a career plan to launch a successful internship/employment/graduate school search. Through assignments, research, interviews and in-class activities, students will develop career management competencies through the following: Use of LinkedIn and other resources to research industry/field/employers/graduate school programs; Network with professionals in selected industry; Professional guest speakers and site tours; Identify and craft a career action plan, education requirements & search strategies; Review industry growth and salary statistics; Create and finalize necessary documents for internship/job applications (cover letter, resume, portfolio items, and reference sheet); Practice professional etiquette and dress (network & interviewing); Build a strong on-line presence through development of a unique professional brand.

CRIM1001
INTRODUCTION TO CRIMINAL JUSTICE
Credits (Min/Max): 3/3

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.

CRIM1002
INTERNATIONAL JUSTICE SYSTEMS (SLSO)
Credits (Min/Max): 3/3

This core curriculum social/cultural systems 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.

CRIM1003
UNDERSTANDING THE U.S. CONSTITUTION (POLI1003)
Credits (Min/Max): 3/3

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. Cross-listed with POLI1003

PreRequisites: ENGL1011 - COLLEGE WRITING I

CRIM2006
THE RULE OF LAW (COMM)
Credits (Min/Max): 3/3

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.

CRIM2010
INTRODUCTION TO CORRECTIONS
Credits (Min/Max): 3/3

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.

CRIM2011
INTELLIGENCE ANALYSIS AND PRESENTATION TECHNIQUES (NSCS2011)
Credits (Min/Max): 3/3

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 NSCS2011

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM2012
ANALYSIS OF CRIMINAL JUSTICE DATA
Credits (Min/Max): 3/3

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.

PreRequisites: MATH1010 - COLLEGE ALGEBRA

CRIM2016
POLICE AND SOCIETY (SOCL2016)
Credits (Min/Max): 3/3

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. Cross-listed with SOCL2016

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM2018
PROFESSIONAL RESPONSIBILITY: LEGAL AND ETHICAL CONCEPTS
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM2030
JUVENILE DELINQUENCY (SOCL2030)
Credits (Min/Max): 3/3

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. Cross-listed with SOCL2030

CRIM3000
CORRECTIONAL COUNSELING
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3005
CONSTITUTIONAL LAW (POLI3005)
Credits (Min/Max): 3/3

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. Cross-listed with POLI3005.(Previously CRIM2005)

PreRequisites: CRIM1003 - UNDERSTANDING THE U.S. CONSTITUTION

CRIM3010
CRIMINAL LAW
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

CRIM3011
RESEARCH METHODS FOR JUSTICE, LAW AND SECURITY
Credits (Min/Max): 3/3

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.

CRIM3012
ENVIRONMENTAL CRIME: LAW, POLICY AND INVESTIGATIONS
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3015
SPECIALIZED CRIME SCENE PHOTOGRAPHY
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3020
SPECIAL TOPICS IN CRIMINAL JUSTICE:
Credits (Min/Max): 3/3

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 analyst 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. The course will involve basic familiarization of a GIS (Geographic Information System) that is designed for graphical presentation and analytical discernment.

PreRequisites: CRIM2011 - INTELLIGENCE ANALYSIS & PRESENTATION TECHNIQUES (NSCS2011)

CRIM3030
THEORIES OF CRIMINAL DEVIANCE (SOCL3030)
Credits (Min/Max): 3/3

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. Cross-listed with SOCL3030

PreRequisites: ENGL1012 - COLLEGE WRITING II

CRIM3032
COMMUNITY CORRECTIONS
Credits (Min/Max): 3/3

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.

CRIM3034
ENTERPRISE AND TRANSNATIONAL CRIME
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3036
TERRORISM
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

CRIM3040
CRIME SCENE INVESTIGATION AND FORENSICS
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3041
CSI II - CRIMINALISTICS
Credits (Min/Max): 4/4

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.

PreRequisites: BIOL1004 - GENERAL BIOLOGY II

CRIM3042
APPLIED CRIMINOLOGY
Credits (Min/Max): 3/3

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.

CRIM3043
COMPUTER CRIME
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3045
CRIMINAL INVESTIGATIONS
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3046
SECURITY MANAGEMENT AND LOSS PREVENTION
Credits (Min/Max): 3/3

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.

CRIM3052
ADMINISTRATION OF CRIMINAL JUSTICE ORGANIZATIONS
Credits (Min/Max): 3/3

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.

CRIM3054
LAW ENFORCEMENT COMMUNICATIONS
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

CRIM3063
CRIMINAL BEHAVIOR: LAW AND PSYCHOLOGY (PSYC3063)
Credits (Min/Max): 3/3

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

CRIM3065
NETWORK ANALYSIS AND CRIME MAPPING
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM2011 - INTELLIGENCE ANALYSIS AND PRESENTATION TECHNIQUES (NSCS2011)

CRIM4012
EMERGENCY PREPAREDNESS AND CRISIS MANAGEMENT (NSCS4012)
Credits (Min/Max): 3/3

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 NSCS4012

CRIM4030
COMPUTER FORENSICS INVESTIGATIONS
Credits (Min/Max): 3/3

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.

CRIM4051
INTERNSHIP I - CRIMINAL JUSTICE
Credits (Min/Max): 1/6

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.

CRIM4055
SENIOR CRIMINAL JUSTICE CAPSTONE
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC3011 - RESEARCH METHODS IN PSYCHOLOGY

CSCI1002
INTRO TO COMPUTER SCIENCE
Credits (Min/Max): 3/3

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.

CSCI1010
PROGRAMMING I
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI1002 - INTRO TO COMPUTER SCIENCE (SLSC1012)

CSCI1010L
PROGRAMMING I - LAB
Credits (Min/Max): 1/1

Lab work for CSCI1010 Programming I.

CSCI1015
VISUAL BASIC PROGRAMMING
Credits (Min/Max): 3/3

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.

CSCI2010
PROGRAMMING II
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI1010 - PROGRAMMING I

CSCI2010L
PROGRAMMING II - LAB
Credits (Min/Max): 1/1

Lab work for CSCI2010 Programming II

PreRequisites: CSCI1010 - PROGRAMMING I

CSCI2017
DISCRETE STRUCTURES FOR COMPUTER SCIENCE
Credits (Min/Max): 3/3

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.

PreRequisites: MATH1010 - COLLEGE ALGEBRA

CSCI2020
ALGORITHM ANALYSIS
Credits (Min/Max): 3/3

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×

PreRequisites: CSCI2010 - PROGRAMMING II

CSCI2025
SYSTEMS PROGRAMMING
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2010 - PROGRAMMING II

CSCI2025L
SYSTEMS PROGRAMMING - LAB
Credits (Min/Max): 1/1

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.

PreRequisites: CSCI2010 - PROGRAMMING II

CSCI2030
ANALOG ELECTRONICS
Credits (Min/Max): 3/3

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.

CSCI2035
COMPUTER ORGANIZATION AND DESIGN
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2025 - SYSTEMS PROGRAMMING

CSCI2035L
COMPUTER ORGANIZATION AND DESIGN - LAB
Credits (Min/Max): 1/1

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.

CSCI2055
DATABASE-SYSTEMS THEORY
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI1010 - PROGRAMMING I

CSCI3028
SPECIAL TOPICS:
Credits (Min/Max): 1/1

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.

CSCI3032
ELECTRONIC COMMUNICATION
Credits (Min/Max): 3/3

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.

CSCI3040
OPERATING SYSTEMS
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2035 - COMPUTER ORGANIZATION & DESIGN

CSCI3042
COMPUTER SECURITY
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI1010 - PROGRAMMING I

CSCI4010
COMPILER DESIGN
Credits (Min/Max): 3/3

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!

CSCI4020
INTRO TO SOFTWARE ENGINEERING
Credits (Min/Max): 3/3

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.

CSCI4035
MOBILE APPLICATIONS DEVELOPMENT
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2020 - ALGORITHM ANALYSIS

CSCI4035A
MOBILE APPLICATIONS DEVELOPMENT - ANDROID
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2010 - PROGRAMMING II

CSCI4035I
MOBILE APPLICATIONS DEVELOPMENT - IOS
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2010 - PROGRAMMING II

CSCI4040
PRINCIPLES OF PROGRAMMING LANGUAGES
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2025 - SYSTEMS PROGRAMMING

CSCI4042
ADVANCED COMPUTER SECURITY
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI3042 - COMPUTER SECURITY

CSCI4045
COMPUTER NETWORKS AND DISTRIBUTED APPLICATIONS
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2025 - SYSTEMS PROGRAMMING

CSCI4050
NUMERICAL COMPUTING I
Credits (Min/Max): 3/3

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.

CSCI4051
NUMERICAL COMPUTING II
Credits (Min/Max): 3/3

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.

CSCI4055
ADVANCED DATABASE THEORY
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2055 - DATABASE-SYSTEMS THEORY

CSCI4070
INTRO TO ARTIFICIAL INTELLIGENCE
Credits (Min/Max): 3/3

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.

CSCI4098
CS CAPSTONE EXPERIENCE I
Credits (Min/Max): 3/3

Software engineering is the discipline concerned with the application of theory, knowledge, and practice for effectively and efficiently building software systems that satisfy the requirements of users and customers. This is the first semester of a year long experience designed to present software engineering theory in context with a medium-size software project for an actual customer.

PreRequisites: CSCI2020 - ALGORITHM ANALYSIS

CSCI4099
CS CAPSTONE EXPERIENCE II
Credits (Min/Max): 3/3

This is the second semester of a year long experience. Software engineering is the discipline concerned with the application of theory, knowledge, and practice for effectively and efficiently building software systems that satisfy the requirements of users and customers. This is the first semester of a year long experience designed to present software engineering theory in context with a medium-size software project for an actual customer.

PreRequisites: CSCI4098 - CS CAPSTONE EXPERIENCE I

DNAP7000
MEDICAL STATISTICS
Credits (Min/Max): 3/3

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 (summer - hybrid) course required for DNAP students.

DNAP7001
EVALUATION AND DECISION MAKING FOR HEALTH CARE PROGRAMS
Credits (Min/Max): 3/3

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.

DNAP7002
SYSTEMATIC LEADERSHIP I
Credits (Min/Max): 4/4

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.

DNAP7003
HEALTH POLICY AND HEALTH CARE ECONOMICS
Credits (Min/Max): 3/3

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.

DNAP7004
SYSTEMATIC LEADERSHIP II
Credits (Min/Max): 4/4

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.

DNAP7005
TEACHING STRATEGIES IN CLASSROOM AND CLINICAL SETTINGS
Credits (Min/Max): 3/3

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.

DNAP7006
CAPSTONE I
Credits (Min/Max): 2/2

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.

DNAP7007
CAPSTONE II
Credits (Min/Max): 2/2

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.

DNAP7008
CAPSTONE III
Credits (Min/Max): 2/2

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.

DNAP7009
MEDICAL PHYSICS
Credits (Min/Max): 3/3

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.

DNAP7010
PRACTICUM I
Credits (Min/Max): 1/1

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.

DNAP7011
RESEARCH METHODOLOGY I
Credits (Min/Max): 3/3

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.

DNAP7012
ADV. HUMAN ANATOMY, PHYSIOLOGY AND PATHOPHYSIOLOGY I
Credits (Min/Max): 4/4

This course will build upon the student?s previous undergraduate learning for an in-depth survey of structure and function of the human body as an interrelated set of organ systems. Organ systems discussed include muscle, nervous and cardiovascular systems. The thorough investigation of these systems in the healthy body will enable the student to study the pathophysiology of the above systems and apply the knowledge to the field of nurse anesthesia.

DNAP7013
ADVANCED PHARMACOLOGY I
Credits (Min/Max): 3/3

This course will build upon basic pharmacological principles and expand knowledge of drug classifications with emphasis on pharmacokinetics and pharmacodynamics of anesthetic agents and adjunct medications used perioperatively in clinical anesthesia practice. Various anesthetic techniques requiring pharmacologic intervention for patients across the lifespan
will be incorporated throughout the course.

DNAP7014
ORGANIC AND MEDICINAL CHEMISTRY
Credits (Min/Max): 3/3

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.

DNAP7015
BIOCHEMISTRY
Credits (Min/Max): 3/3

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.

DNAP7016
PROFFESSIONAL ASPECTS OF ANESTHESTHESIA
Credits (Min/Max): 3/3

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.

DNAP7017
ADVANCED HEALTH ASSESSMENT
Credits (Min/Max): 3/3

This course presents the principles of performing an advanced comprehensive health assessment across the life span. Conducting a health history, physical exam, and non-invasive
diagnostics relevant to nurse anesthesia will be emphasized.

DNAP7018
ANESTHESIA PRINCIPLES I
Credits (Min/Max): 3/3

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.

DNAP7019
SCHOLARLY PROJECT I
Credits (Min/Max): 1/1

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.

DNAP7020
PRACTICUM II
Credits (Min/Max): 1/1

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.

DNAP7021
NURSING RESEARCH II: EVIDENCE BASED NURSING PRACTICE
Credits (Min/Max): 3/3

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.

DNAP7022
ADV. HUMAN ANATOMY, PHYSIOLOGY AND PATHOPHYSIOLOGY II
Credits (Min/Max): 4/4

This course is a continuation of Advanced Human Anatomy, Physiology, and Pathophysiology I. Organ systems discussed include, cardiovascular, respiratory, renal, hepatic, and endocrine. Representative pathophysiology of each system will also be covered enabling the student to apply the knowledge to nurse anesthesia clinical practice.

DNAP7023
ADVANCED PHARMACOLOGY II
Credits (Min/Max): 3/3

This course is a continuation of Advanced Pharmacology I. It is a comprehensive study of drugs and adjuvant agents currently utilized in the clinical practice of anesthesia. All venues of anesthesia, from general anesthesia to local anesthesia will be discussed, incorporating dosage and administration for all patients across the lifespan. Scientific theory and critical thinking skills will be applied to case studies focusing on pharmacological agents to treat pathological conditions.

DNAP7024
SCHOLARLY WRITING
Credits (Min/Max): 1/1

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.

DNAP7028
ANESTHESIA PRINCIPLES II
Credits (Min/Max): 3/3

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.

DNAP7029
SCHOLARLY PROJECT II
Credits (Min/Max): 2/2

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.

DNAP7030
PRACTICUM III
Credits (Min/Max): 1/1

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.

DNAP7038
ANESTHESIA PRINCIPLES III
Credits (Min/Max): 3/3

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.

DNAP7039
SCHOLARLY PROJECT III
Credits (Min/Max): 2/2

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.

DNAP7040
PRACTICUM IV
Credits (Min/Max): 2/2

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.

DNAP7048
ADV. ANESTHESIA PRINCIPLES IV
Credits (Min/Max): 3/3

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.

DNAP7049
SCHOLARLY PROJECT IV
Credits (Min/Max): 2/2

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.

DNAP7050
PRACTICUM V
Credits (Min/Max): 2/2

Practicum V will continue with specialty rotations for patients across the lifespan, which include pediatric, obstetrical, cardiothoracic, neurosurgery and trauma populations.

DNAP7058
ADV. ANESTHESIA PRINCIPLES V
Credits (Min/Max): 3/3

This course will introduce concepts on the complex patients undergoing advanced procedures such as neurological, trauma, burns and transplants.

DNAP7060
PRACTICUM VI
Credits (Min/Max): 2/2

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.

DNAP7068
ADV. ANESHTESIA PRINCIPLES VI
Credits (Min/Max): 3/3

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.

DSGN1013
INTRO TO PHOTOGRAPHY (SLAE)
Credits (Min/Max): 3/3

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)

DSGN1015
THE AESTHETIC EXPERIENCE OF COLOR (SLAE)
Credits (Min/Max): 3/3

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)

DSGN2002
ART IN EVERYDAY LIFE (SLAE)
Credits (Min/Max): 3/3

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.

DSGN2003
EXPLORING ART (SLAE)
Credits (Min/Max): 3/3

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)

DSGN2005
INTRODUCTION TO DESIGN AND IMAGE MAKING
Credits (Min/Max): 3/3

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.

EDEL2000
FOUNDATIONS OF EARLY CHILDHOOD EDUCATION
Credits (Min/Max): 3/3

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD EXPERIENCE

EDEL2010
OBSERVATION 1 (PreK)
Credits (Min/Max): 2/2

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).

EDEL2020
OBSERVATION II (K-4)
Credits (Min/Max): 2/2

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).

PreRequisites: EDEL2000 - ORIENTATION TO PreK-4 EDUCATION

EDEL2030
METHODS OF TEACHING HEALTH & PHYSICAL EDUCATION-PREK-4TH GRADE
Credits (Min/Max): 2/2

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.

PreRequisites: EDEL2000 - ORIENTATION TO PreK-4 EDUCATION

EDEL3015
CREATIVE THINKING: METHODS OF INTEGRATING ART/MUSIC THROUGHOUT THE PREK-4 CURRICULUM
Credits (Min/Max): 2/2

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.

PreRequisites: EDEL2000 - ORIENTATION TO PreK-4 EDUCATION

EDEL3025
METHODS OF TEACHING WRITING PREK-4
Credits (Min/Max): 2/2

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.

PreRequisites: EDEL2000 - ORIENTATION TO PreK-4 EDUCATION

EDEL3035
METHODS OF TEACHING READING PREK-4
Credits (Min/Max): 3/3

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD

EDEL3045
TEACHING READING & LANGUAGE ARTS PRACTICUM PREK-4
Credits (Min/Max): 2/2

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

EDEL3055
METHODS OF TEACHING SOCIAL STUDIES PREK-4
Credits (Min/Max): 3/3

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)

EDEL4035
METHODS OF TEACHING SCIENCE PREK-4
Credits (Min/Max): 3/3

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

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD

EDEL4040
METHODS OF TEACHING MATH PREK-4
Credits (Min/Max): 3/3

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.

PreRequisites: EDEL2000 - ORIENTATION TO PreK-4 EDUCATION

EDEL4045
TEACHING MATH PRACTICUM PREK-4
Credits (Min/Max): 2/2

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

PreRequisites: EDEL4040 - METHODS OF TEACHING MATH PREK-4

EDEL4060
INTEGRATING CURRICULUM & INSTRUCTION
Credits (Min/Max): 3/3

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.

PreRequisites: EDEL2000 - ORIENTATION TO PreK-4 EDUCATION

EDEL4075
STUDENT TEACHING & SEMINAR (PK-4)
Credits (Min/Max): 6/6

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.

PreRequisites: EDUC4005 - EDUCATIONAL PARTNERSHIPS AND PROFESSIONALISM

EDML2000
FOUNDATIONS OF MIDDLE LEVEL EDUCATION
Credits (Min/Max): 1/1

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.

EDML2010
ML TEACHING SCIENCE METHODS-LAB
Credits (Min/Max): 1/1

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD

EDML2023
ML TEACHING MATHEMATICS METHODS - LAB
Credits (Min/Max): 1/1

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD

EDML3010
DEVELOPING READING COMMUNITIES
Credits (Min/Max): 3/3

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.

EDML3013
ML TEACHING SOCIAL STUDIES METHODS - LAB
Credits (Min/Max): 1/1

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD

EDML3050
READING AND WRITING ACROSS THE DISCIPLINES
Credits (Min/Max): 3/3

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.

EDML4010
ADVANCED TEACHING METHODS FOR MIDDLE LEVEL TEACHING CERTIFICATION
Credits (Min/Max): 2/2

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD

EDML4050
ML STUDENT TEACHING (GRADES 4-6)
Credits (Min/Max): 6/6

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.

PreRequisites: EDML4010 - ADVANCED TEACHING METHODS FOR MIDDLE LEVEL TEACHING CERTIFICATION

EDML4055
ML STUDENT TEACHING (GRADES 7-8)
Credits (Min/Max): 6/6

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.

PreRequisites: EDML4010 - ADVANCED TEACHING METHODS FOR MIDDLE LEVEL TEACHING CERTIFICATION

EDSP2015
INTRO TO HIGH INCIDENCE DISABILITIES
Credits (Min/Max): 3/3

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.

EDSP2025
LEARNING ENVIRONMENTS AND BEHAVIOR MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: EDSP2015 - INTRO TO HIGH INCIDENCE DISABILITIES, ACCOMODATIONS, & ADAPTATIONS

EDSP3010
LITERACY INSTRUCTION AND INTERVENTIONS FOR DIVERSE LEARNERS
Credits (Min/Max): 3/3

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.

EDSP3015
INTRO TO LOW INCIDENCE DISABILITIES
Credits (Min/Max): 3/3

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.

EDSP3025
EFFECTIVE INSTRUCTIONAL STRATEGIES FOR STUDENTS WITH DISABILITIES
Credits (Min/Max): 3/3

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.

PreRequisites: EDSP2015 - INTRO TO HIGH INCIDENCE DISABILITIES, ACCOMODATIONS, & ADAPTATIONS

EDSP3035
SPECIAL EDUCATION PRACTICUM
Credits (Min/Max): 2/2

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.

PreRequisites: EDSP2015 - INTRO TO HIGH INCIDENCE DISABILITIES, ACCOMODATIONS, & ADAPTATIONS

EDSP3040
EVALUATION AND ASSESSMENT
Credits (Min/Max): 3/3

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD

EDSP4010
TRANSITION PLANNING FOR SECONDARY STUDENTS WITH DISABILITIES
Credits (Min/Max): 2/2

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.

EDSP4015
DEVELOPMENT OF THE IEP AND INCLUSION IN LEAST RESTRICTIVE ENVIRONMENT
Credits (Min/Max): 3/3

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.

PreRequisites: EDSP2015 - INTRO TO HIGH INCIDENCE DISABILITIES, ACCOMODATIONS, & ADAPTATIONS

EDSP4065
SPECIAL ED STUDENT TEACHING AND SEMINAR (PK-6)
Credits (Min/Max): 6/6

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.

PreRequisites: EDSP4015 - DEVELOPMENT OF THE IEP & INCLUSION IN LEAST 3

EDSP4070
SPECIAL EDUCATION STUDENT TEACHING & SEMINAR (PK-12)
Credits (Min/Max): 6/6

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.

PreRequisites: EDSP4015 - DEVELOPMENT OF THE IEP AND INCLUSION IN LEAST RESTRICTIVE ENVIRONMENT

EDSP5010
CONTEMPORARY ISSUES IN EDUCATION AND INCLUSIVE PRACTICES
Credits (Min/Max): 3/3

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.

EDSP5015
CONTEMPORARY ISSUES IN SPECIAL EDUCATION AND INTRO TO RESEARCH
Credits (Min/Max): 3/3

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.

EDSP5020
ASSESSMENT FOR DATA BASED INSTRUCTION
Credits (Min/Max): 3/3

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).

EDSP5025
COLLABORATING WITH FAMILIES AND COMMUNITY AGENCIES
Credits (Min/Max): 3/3

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.

EDSP5030
READING INSTRUCTION FOR STUDENTS WITH HIGH INCIDENCE EXCEPTIONALITIES
Credits (Min/Max): 3/3

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.

EDSP5035
RESEARCH METHODS
Credits (Min/Max): 3/3

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.

PreRequisites: EDSP5015 - CONTEMPORARY ISSUES IN SPECIAL EDUCATION & INTRO TO RESEARCH

EDSP5040
INTRO TO EDUCATION OF PERSONS WITH AUTISM SPECTRUM DISORDER
Credits (Min/Max): 3/3

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.

EDSP5045
ADVANCED STUDIES IN BEHAVIOR
Credits (Min/Max): 3/3

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.

EDSP5050
COMMUNICATION AND SOCIAL SKILLS INSTRUCTION FOR PERSONS WITH AUTISM SPECTRUM DISORDER
Credits (Min/Max): 3/3

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.

PreRequisites: EDSP5040 - INTRO TO EDUCATION OF PERSONS WITH AUTISM SPECTRUM DISORDER

EDSP5055
ADVANCED TOPICS FOR PERSONS WITH AUTISM SPECTRUM DISORDER: CURRICULUM AND INSTRUCTION
Credits (Min/Max): 3/3

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.

PreRequisites: EDSP5045 - ADVANCED STUDIES IN BEHAVIOR

EDSP6010
LITERACY INSTRUCTION FOR DIVERSE LEARNERS
Credits (Min/Max): 3/3

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.

EDSP6020
ADVANCED INSTRUCTIONAL STRATEGIES AND ASSISTIVE TECHNOLOGY
Credits (Min/Max): 3/3

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.

EDSP6025
RESEARCH BASED ASSESSMENT METHODS AND SEMINAR
Credits (Min/Max): 3/3

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.

PreRequisites: EDSP5035 - RESEARCH METHODS

EDUC1010
INTRO TO EDUCATION AND FIELD EXPERIENCE
Credits (Min/Max): 3/3

This course provides students with an introduction to the teaching profession. Students will learn the qualifications for becoming an effective and ethical educator. Current programming and educational topics will be explored. Classroom observations in a variety of settings and grade levels are required.

EDUC2010
INITIAL FIELD EXPERIENCE
Credits (Min/Max): 2/2

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION AND FIELD EXPERIENCE

EDUC2015
INTEGRATING THE ARTS THROUGHOUT THE CURRICULUM
Credits (Min/Max): 1/1

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION AND FIELD EXPERIENCE

EDUC2020
TEACHING SOCIAL STUDIES
Credits (Min/Max): 3/3

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. An integral part of the course will be a field experience placement, which will allow the student to connect theory to practice.

PreRequisites: EDUC1010 - INTRO TO EDUCATION & FIELD EXPERIENCE

EDUC2030
INTEGRATING HEALTH AND WELLNESS THROUGHOUT THE CURRICULUM
Credits (Min/Max): 1/1

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.

PreRequisites: EDUC1010 - INTRO TO EDUCATION AND FIELD EXPERIENCE

EDUC3005
PRIMARY LITERACY METHODS AND PRACTICUM
Credits (Min/Max): 3/3

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.

EDUC3010
PRIMARY MATH METHODS AND PRACTICUM
Credits (Min/Max): 3/3

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.

EDUC3020
INTERMEDIATE LITERACY METHODS AND PRACTICUM
Credits (Min/Max): 3/3

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.

EDUC3025
INTERMEDIATE MATH METHODS AND PRACTICUM
Credits (Min/Max): 3/3

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.

EDUC3030
INQUIRY BASED SCIENCE METHODS AND PRACTICUM
Credits (Min/Max): 3/3

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.

EDUC4005
EDUCATIONAL PARTNERSHIPS AND PROFESSIONALISM
Credits (Min/Max): 3/3

This course will offer teacher candidates the opportunity to identify community resources that can be shared with multiple stakeholders in order to support families and children. Teacher candidates will learn strategies and techniques for working with families to keep them informed of their childâ€™s progress in meaningful and culturally responsive ways. Teacher candidates will also participate in a variety of professional development opportunities.

EDUC5000
CHARACTERISTICS OF EFFECTIVE MIDDLE LEVEL INSTRUCTION
Credits (Min/Max): 3/3

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.

EDUC5025
CREATING POSITIVE LEARNING ENVIRONMENTS FOR ADOLESCENTS
Credits (Min/Max): 3/3

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.

EDUC6000
INSTRUCTIONAL STRATEGIES ACROSS THE DISCIPLINES
Credits (Min/Max): 3/3

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.

EDUC6025
PROFESSIONALISM AND ACTION RESEARCH
Credits (Min/Max): 3/3

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.

PreRequisites: EDUC6050 - MIDDLE LEVEL STUDENT TEACHING

ENED3010
METHODS OF TEACHING AND EVALUATING ENGLISH
Credits (Min/Max): 3/3

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.

ENED3013
CHILDREN'S LITERATURE
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1011 - COLLEGE WRITING I

ENED3030
LITERATURE OF ADOLESCENTS AND YOUNG ADULTS
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENED3051
ADVANCED FIELD EXPERIENCE
Credits (Min/Max): 3/3

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.

ENGL1001
COLLEGE READING
Credits (Min/Max): 3/3

This course is designed to teach students fundamental practices for academic reading.

ENGL1002
SING AND PRAISE: CONTEMPORARY POETRY (SLLT)
Credits (Min/Max): 3/3

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)

ENGL1011
ACADEMIC READING AND WRITING
Credits (Min/Max): 3/3

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.

ENGL1011H
ACADEMIC READING AND WRITING - HONORS
Credits (Min/Max): 3/3

This course engages students in the reading and writing practices essential to academic life by requiring students to read both with and against the grain of complex texts and to write in response to them. 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.

ENGL1012
ACADEMIC WRITING AND RESEARCH
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1011 - COLLEGE WRITING I

ENGL1012H
ACADEMIC WRITING AND RESEARCH - HONORS
Credits (Min/Max): 3/3

This course engages students in the reading and writing practices essential to academic life by requiring students to read both with and against the grain of complex texts and to write in response to them. 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.

PreRequisites: ENGL1011 - COLLEGE WRITING I

ENGL1050
METHODS OF TEACHING WRITING: COMPOSITION
Credits (Min/Max): 1/1

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.

ENGL2002
DRAMATIC LITERATURE
Credits (Min/Max): 3/3

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.

ENGL2008
CONTEMPORARY LITERATURE
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

ENGL2010
INTRO TO LITERARY STUDY
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1011 - COLLEGE WRITING I

ENGL2012
AMERICAN ETHNIC LITERATURE
Credits (Min/Max): 3/3

A study of writing about American ethnicity. Readings usually include essays, poems, plays and prose fiction.

ENGL2014
READING LIST PREPARATION
Credits (Min/Max): 3/3

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.

ENGL2015
ISSUES AND DEBATES ACROSS CULTURES
Credits (Min/Max): 3/3

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.

ENGL2016
THE HOLOCAUST IN LITERATURE AND FILM (SLLT)
Credits (Min/Max): 3/3

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)

ENGL2017
SHAKESPEARE ON FILM (SLLT)
Credits (Min/Max): 3/3

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)

ENGL2018
THE FIRE AND THE ROSE: RELIGIOUS WORLD POETRY (SLLT)
Credits (Min/Max): 3/3

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)

ENGL2021
WORLD LITERATURE I (SLLT)
Credits (Min/Max): 3/3

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)

ENGL2022
WORLD LITERATURE II (SLLT)
Credits (Min/Max): 3/3

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)

ENGL2025
WRITING POETRY
Credits (Min/Max): 3/3

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.

ENGL2029
BUSINESS COMMUNICATIONS
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL2030
TECHNICAL WRITING
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL2035
MORAL OF THE STORY
Credits (Min/Max): 3/3

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.

ENGL2036
AMERICAN MULTICULTURAL LIT (SLLT)
Credits (Min/Max): 3/3

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.

ENGL2039
MODERN AMERICAN LITERATURE (SLLT)
Credits (Min/Max): 3/3

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)

ENGL2040
CREATIVE WRITING
Credits (Min/Max): 3/3

A course designed to stimulate writing in prose and poetry, with emphasis on readings and exercises in craft.

ENGL2042
SCIENCE FICTION
Credits (Min/Max): 3/3

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.

ENGL2043
FILM ANALYSIS: FORM, HISTORY, IDEOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL2045
NATIVE AMERICAN LITERATURE
Credits (Min/Max): 3/3

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.

ENGL2047
WRITING AND SINGING THE BLUES: PAN AFRICAN-AMER LIT AND MUSIC (LIT AND AESTHETICS-SLDD)
Credits (Min/Max): 3/3

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)

ENGL2050
WRITER'S CENTER; METHODS OF TEACHING WRITING
Credits (Min/Max): 1/1

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.

ENGL3011
READINGS IN CREATIVE NON-FICTION
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3012
SPECIAL TOPICS IN COMPOSITION
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3014
WORLD MYTHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3015
STUDIES IN LITERATURE (SLLT1015)
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3017
IRISH LITERATURE
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3018
DRAMATIC LITERATURE
Credits (Min/Max): 3/3

A study of the principal types of drama, consisting of plays selected from ancient to contemporary times and representing a variety of cultures. Students will have the opportunity to attend live theater as part of the class.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3019
MODERN AMERICAN DRAMA
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3020
MODERN AMERICAN NOVEL
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3022
DEVELOPMENT OF ENGLISH NOVEL
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3023
SHAKESPEARE
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3024
LOVE AND WAR OLD AND MEDIEVAL ENGLISH LIT
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3025
RENAISSANCE ENGLISH POETRY
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3027
NINETEENTH CENTURY BRITISH POETRY
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3028
EARLY 20th CENTURY BRITISH LIT
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3029
LITERARY THEORY AND CRITICISM
Credits (Min/Max): 3/3

This course will introduce advanced students to literary theory and contemporary methods of literary criticism and research.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3031
JOURNALISM I
Credits (Min/Max): 3/3

This is an introductory course in journalistic style and a variety of media formats. Students learn editing, interviewing and reporting skills.

ENGL3032
JOURNALISM II
Credits (Min/Max): 3/3

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.

ENGL3033
AMERICAN ENG:ITS HISTORY & DEVELOPMENT
Credits (Min/Max): 3/3

A study of the linguistic evolution of the American English language from the older stages of English to current usage in the United States.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3034
WRITING FOR ADVERTISING
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3035
WRITING FOR BROADCAST AND SOCIAL MEDIA
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3037
ADVANCED EXPOSITION
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3040
TEACHING LITERATURE I: METHODS OF TEACHING
Credits (Min/Max): 1/1

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3041
TEACHING LITERATURE II: METHODS OF TEACHING ENGLISH
Credits (Min/Max): 1/1

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3042
WRITING FOR NON-PROFITS
Credits (Min/Max): 3/3

This course is designed to teach the basic principles of public relations and grant writing for non-profit organizations, combining both theory and practice.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3044
SPORTS WRITING
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

ENGL3045
WRITING FICTION
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3047
THEATER IN THE CITY (SLLT1029)
Credits (Min/Max): 3/3

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

ENGL3050
GENRE; METHODS OF TEACHING
Credits (Min/Max): 1/1

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3051
PUBLICATION DESIGN (GCDN3051)
Credits (Min/Max): 3/3

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. Cross-listed with GCDN3051.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL3064
WRITING CREATIVE NONFICTION
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL3031 - JOURNALISM I

ENGL3065
WOMEN IN LITERATURE
Credits (Min/Max): 3/3

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.

ENGL4035
PORTFOLIO PRODUCTION WORKSHOP
Credits (Min/Max): 3/3

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.

ENGL4040
SPECIAL TOPIC IN LITERATURE
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1011 - COLLEGE WRITING I

ENGL4050
SEQUENCING AND ASSESSMENT; METHODS OF TEACHING WRITING
Credits (Min/Max): 1/1

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL4051
INTERNSHIP I - ENGLISH
Credits (Min/Max): 1/6

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.

ENGL4054
SEMINAR IN PUBLICATION
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ENGL4055
SEMINAR IN PUBLICATION
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

ESLN0070
GENERAL ENGLISH-READING+++
Credits (Min/Max): 4/4

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.

ESLN0071
GENERAL ENGLISH-WRITING+++
Credits (Min/Max): 4/4

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.

ESLN0072
GENERAL ENGLISH-SPEAKING+++
Credits (Min/Max): 4/4

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.

ESLN0073
GENERAL ENGLISH-GRAMMAR+++
Credits (Min/Max): 4/4

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.

ESLN0074
GENERAL ENGLISH-LISTENING+++
Credits (Min/Max): 4/4

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.

ESLN0085
LOW BEGINNER LISTENING+++
Credits (Min/Max): 4/4

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" level on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). The course does not apply toward graduation credit requirements.

ESLN0086
LOW BEGINNING READING++
Credits (Min/Max): 4/4

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" level on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). The course does not apply toward graduation credit requirements.

ESLN0087
LOW BEGINNING WRITING++
Credits (Min/Max): 4/4

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" level on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). The course does not apply toward graduation credit requirements.

ESLN0088
LOW BEGINNING SPEAKING++
Credits (Min/Max): 4/4

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" level on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). The course does not apply toward graduation credit requirements.

ESLN0089
LOW BEGINNING GRAMMAR++
Credits (Min/Max): 4/4

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, and speak and understand English as a Second Language at the "Novice-High" level on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). The course does not apply toward graduation credit requirements.

ESLN0090
HIGH BEGINNER READING++
Credits (Min/Max): 4/4

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-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). The course does not apply toward graduation credit requirements.

ESLN0091
HIGH BEGINNER WRITING++
Credits (Min/Max): 4/4

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-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). The course does not apply toward graduation credit requirements.

ESLN0092
HIGH BEGINNER SPEAKING++
Credits (Min/Max): 4/4

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-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). The course does not apply toward graduation credit requirements.

ESLN0093
HIGH BEGINNER GRAMMAR++
Credits (Min/Max): 4/4

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-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). The course does not apply toward graduation credit requirements.

ESLN0094
HIGH BEGINNER LISTENING++
Credits (Min/Max): 4/4

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-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). The course does not apply toward graduation credit requirements.

ESLN0100
INTERMEDIATE READING++
Credits (Min/Max): 4/4

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-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 readings, intensive study of vocabulary, and the development of reading skills.

ESLN0101
INTERMEDIATE WRITING++
Credits (Min/Max): 4/4

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-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 readings, intensive study of vocabulary, and the development of reading skills.

ESLN0102
INTERMEDIATE SPEAKING++
Credits (Min/Max): 4/4

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-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 readings, intensive study of vocabulary, and the development of reading skills.

ESLN0103
INTERMEDIATE GRAMMAR++
Credits (Min/Max): 4/4

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire grammar skills in English as a Second 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 readings, intensive study of vocabulary, and the development of reading skills..

ESLN0104
INTERMEDIATE LISTENING++
Credits (Min/Max): 4/4

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-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 Services (ETS). Students will increase their listening skills through practice with prepared listening texts, dialogs, discussions on related topics, experiences with native English speaking guest speakers and internet and multimedia resources.

ESLN0105
HIGH INTERMEDIATE READING++
Credits (Min/Max): 4/4

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" 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 readings, intensive study of vocabulary, and the development of the following reading skills: (1) using context clues to guess word meanings; (2) understanding the main ideas of paragraphs and essays with some structural complexity; (3) skimming for main ideas; (4) scanning for specific information; (5) understanding inference and restatement; (6) reading paragraphs and essays for detailed understanding.

ESLN0120
HIGH INTERMEDIATE LISTENING++
Credits (Min/Max): 4/4

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-High" to "Advanced" 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 prepared and authentic listening texts, dialogs, discussions on related topics, listening and note taking activities, experiences with native English speaking guest speakers and internet and multimedia resources..

ESLN1009
ADVANCED READING
Credits (Min/Max): 4/4

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" to "Advanced-Plus" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).

ESLN1010
ADVANCED WRITING
Credits (Min/Max): 4/4

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" to "Advanced-Plus" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).

ESLN1011
ADVANCED SPEAKING
Credits (Min/Max): 4/4

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" to "Advanced-Plus" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).

ESLN1012
ADVANCED STRUCTURES OF ACADEMIC ENGLISH
Credits (Min/Max): 4/4

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire grammar skills in English as a Second Language at the "Advanced" to "Advanced-Plus" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS)..

ESLN1013
INTENSIVE READING
Credits (Min/Max): 4/4

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-Plus" to "Superior" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).

ESLN1014
INTENSIVE WRITING
Credits (Min/Max): 4/4

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-Plus" to "Superior" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).

ESLN1015
INTENSIVE SPEAKING
Credits (Min/Max): 4/4

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-Plus" to "Superior" levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS).

ESLN1030
ADVANCED LISTENING
Credits (Min/Max): 4/4

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" to "Advanced Plus" 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 prepared and authentic listening texts, discussions on related topics, academic listening and note taking activities, experiences with native English speaking guest speakers and internet and multimedia resources.es..

EXSP2014
KINESIOLOGY (HSCU2014)
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

EXSP2015
SOCIAL & POLITICAL ASPECTS OF HEALTH & WELLNESS (HSCU2015)
Credits (Min/Max): 3/3

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

EXSP3005
MOTOR LEARNING, CONTROL AND DEVELOPMENT (HSCU3005)
Credits (Min/Max): 3/3

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)

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

EXSP3007
BIOMECHANICS (HSCU3007)
Credits (Min/Max): 3/3

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

PreRequisites:

EXSP3025
EXERCISE PHYSIOLOGY AND SPORTS NUTRITION (HSCU3025)
Credits (Min/Max): 3/3

This course is designed to introduce students to the basic principles Sports Nutrition and Exercise Physiology with an emphasis on wellness promotion throughout life.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

EXSP3025L
EXERCISE PHYSIOLOGY - LABORATORY
Credits (Min/Max): 1/1

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

EXSP3030
FITNESS TESTING AND EXERCISE PRESCRIPTION (HSCU3030)
Credits (Min/Max): 3/3

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

PreRequisites: EXSP3025 - EXERCISE PHYSIOLOGY & SPORTS NUTRITION(HSCU3025)

EXSP4003
STRENGTH AND CONDITIONING
Credits (Min/Max): 3/3

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

PreRequisites: EXSP3007 - BIOMECHANICS (HSCU3007)

EXSP4005
CLINICAL EXERCISE PHYSIOLOGY (HSCU4005)
Credits (Min/Max): 3/3

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

PreRequisites: EXSP3007 - BIOMECHANICS

FILM1020
FILM PRODUCTION I
Credits (Min/Max): 3/3

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).

FILM1025
FILM AND VISUAL STORYTELLING
Credits (Min/Max): 3/3

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-scène, 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.

FILM2010
INTERNATIONAL FILM HISTORY
Credits (Min/Max): 3/3

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.

FILM2015
FILM THEORY AND ANALYSIS
Credits (Min/Max): 3/3

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

FILM2020
FILMMAKING FOR SOCIAL CHANGE
Credits (Min/Max): 3/3

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.

FILM2025
WRITING THE TELEVISION PILOT
Credits (Min/Max): 3/3

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.

FILM2030
FILM PRODUCTION II
Credits (Min/Max): 3/3

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

FILM2035
DRONES FOR PHOTO AND FILM
Credits (Min/Max): 3/3

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.

FILM2040
FILMMAKING FOR THE WEB
Credits (Min/Max): 3/3

Video and time based media, in a variety of contexts, from short
form narrative for mobile audiences, to virtual reality, augmented reality and game
contexts is growing as a business on par with Hollywood Studio filmmaking and
distribution. This course exposes students to the myriad ways that video storytelling, narrative, fiction, non-fiction and games can be crafted and then turned into a business opportunity on the web. Looking for and creating an audience, using creative and quality means of expression, using social media for promotion, monetizing content, reading analytics, evaluating products and collaborating in teams will all 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. The students will create and promote a YouTube Channel as a part of the class experience.

FILM2045
INTRO TO SCREENWRITING
Credits (Min/Max): 3/3

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.

FILM2050
INTRODUCTION TO SOUND
Credits (Min/Max): 3/3

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.

PreRequisites: FILM1020 - FILM PRODUCTION I

FILM2055
ACTING FOR DIRECTORS
Credits (Min/Max): 3/3

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.

FILM3015
FILM PRODUCTION III
Credits (Min/Max): 3/3

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.

FILM4010
FILM PRODUCTION IV
Credits (Min/Max): 3/3

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.

FILM4045
FILM CAPSTONE PRE-PRODUCTION
Credits (Min/Max): 1/1

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.

FILM4051
INTERNSHIP I - FILM
Credits (Min/Max): 1/3

A practical work experience in a field setting. The student receives credits for work performed.

FILM4055
FILM CAPSTONE PROJECT
Credits (Min/Max): 3/3

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.

FINC3031
INVESTMENTS
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

FINC3032
FINANCIAL MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

FINC3034
COMMERCIAL BANK MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: FINC3032 - FINANCIAL MANAGEMENT

FINC3036
FINANCIAL INSTITUTIONS
Credits (Min/Max): 3/3

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.

PreRequisites: ACCT2004 - ACCOUNTING II

FINC3040
RISK MANAGEMENT AND INSURANCE
Credits (Min/Max): 3/3

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.

PreRequisites: FINC3032 - FINANCIAL MANAGEMENT

FINC4020
SIE AND SERIES 7 PREP PROGRAM
Credits (Min/Max): 3/3

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.

FINC4025
FI-SOLVE APPLIED INVESTMENTS
Credits (Min/Max): 3/3

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.

PreRequisites: FINC3031 - INVESTMENTS

FINC4033
INTERMEDIATE FINANCIAL MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: FINC3032 - FINANCIAL MANAGEMENT

FINC4039
REAL ESTATE FINANCE
Credits (Min/Max): 3/3

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.

PreRequisites: FINC3032 - FINANCIAL MANAGEMENT

FINC4051
INTERNSHIP I - FINANCE
Credits (Min/Max): 1/6

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.

GCDN1023
DRAWING I (IDSN1023)
Credits (Min/Max): 3/3

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

GCDN1025
FUND. OF ELECTRONIC PUBLISHING
Credits (Min/Max): 3/3

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.

GCDN1060
FOUNDATION DESIGN I (IDSN1060)
Credits (Min/Max): 3/3

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

GCDN1062
FOUNDATION DESIGN II (IDSN1062)
Credits (Min/Max): 3/3

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

PreRequisites: GCDN1060 - FOUNDATION DESIGN I(IDSN1060)

GCDN1070
DIGITAL IMAGE MAKING I
Credits (Min/Max): 3/3

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.

GCDN1071
DIGITAL IMAGE MAKING II
Credits (Min/Max): 3/3

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.

PreRequisites: DSGN2005 - INTRODUCTION TO DESIGN AND IMAGE MAKING

GCDN1080
WEB GRAPHICS I
Credits (Min/Max): 3/3

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.

GCDN2005
DIGITAL FINE ARTS
Credits (Min/Max): 3/3

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.

GCDN2008
DIGITAL PUBLICATION AND PRE-PRESS
Credits (Min/Max): 3/3

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.

GCDN2010
GRAPHIC DESIGN METHODOLOGIES
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN1060 - FOUNDATION DESIGN I(IDSN1060)

GCDN2011
PAINTING, PASTELS AND WATERCOLORS
Credits (Min/Max): 3/3

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.

GCDN2012
TYPOGRAPHY I
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN1060 - FOUNDATION DESIGN I(IDSN1060)

GCDN2016
DIGITAL PHOTOGRAPHY
Credits (Min/Max): 3/3

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.

GCDN2021
GRAPHIC DESIGN I
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN2008 - DIGITAL PUBLISHING

GCDN2029
USER EXPERIENCE DESIGN I
Credits (Min/Max): 3/3

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.

GCDN2038
ILLUSTRATION
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN1023 - DRAWING I(IDSN1023)

GCDN2040
WORD AND IMAGE
Credits (Min/Max): 3/3

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.

GCDN2042
DIGITAL PHOTOGRAPHY II
Credits (Min/Max): 3/3

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

PreRequisites: GCDN2016 - DIGITAL PHOTOGRAPHY

GCDN2047
PHOTOGRAPHIC LIGHTING TECHNIQUES
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN2016 - DIGITAL PHOTOGRAPHY

GCDN2080
WEB GRAPHICS II
Credits (Min/Max): 3/3

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.

GCDN3010
WRITING AND PRESENTING FOR DESIGNERS (IDSN3010)
Credits (Min/Max): 3/3

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

PreRequisites: ENGL1012 - COLLEGE WRITING II

GCDN3012
DIGITAL PHOTOGRAPHY III
Credits (Min/Max): 3/3

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

PreRequisites: GCDN2016 - DIGITAL PHOTOGRAPHY

GCDN3016
HISTORY OF FILM (ARTH3016)
Credits (Min/Max): 3/3

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

GCDN3022
TYPOGRAPHY II
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN2021 - GRAPHIC DESIGN I

GCDN3024
PROFESSIONAL PRESENTATION
Credits (Min/Max): 3/3

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.

GCDN3026
DIGITAL PREPRESS AND PRINTING
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN3031 - GRAPHIC DESIGN II

GCDN3029
ADVANCED WEB DESIGN
Credits (Min/Max): 3/3

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.

GCDN3031
GRAPHIC DESIGN II
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN2021 - GRAPHIC DESIGN I

GCDN3040
PHOTOGRAPHY - SPECIAL TOPICS:
Credits (Min/Max): 3/3

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

PreRequisites: GCDN2016 - DIGITAL PHOTOGRAPHY

GCDN3041
GRAPHIC DESIGN III
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN3031 - GRAPHIC DESIGN II

GCDN3043
PACKAGING DESIGN
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN2021 - GRAPHIC DESIGN I

GCDN3045
USER EXPERIENCE DESIGN II
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN2029 - USER EXPERIENCE DESIGN I

GCDN3046
MULTIMEDIA
Credits (Min/Max): 3/3

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.

GCDN3050
GRAPHIC DESIGN - SPECIAL TOPICS:
Credits (Min/Max): 3/3

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

PreRequisites: GCDN2042 - DIGITAL PHOTOGRAPHY II

GCDN3051
PUBLICATION DESIGN (ENGL3051)
Credits (Min/Max): 3/3

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. Cross-listed with ENGL3051.

PreRequisites: ENGL1012 - COLLEGE WRITING II

GCDN3053
ENVIRONMENTAL GRAPHIC DESIGN (IDSN3053)
Credits (Min/Max): 3/3

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

PreRequisites: GCDN2008 - DIGITAL PUBLISHING

GCDN3055
PROFESSIONAL PRACTICES FOR GRAPHIC DESIGNERS
Credits (Min/Max): 3/3

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.

GCDN3060
DIGITAL BRANDING
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN2029 - USER EXPERIENCE DESIGN I

GCDN4021
DESIGN STUDIO - SPECIAL TOPICS:
Credits (Min/Max): 3/3

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.

GCDN4028
DIGITAL PHOTOGRAPHY IV
Credits (Min/Max): 3/3

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

PreRequisites: GCDN2016 - DIGITAL PHOTOGRAPHY

GCDN4041
SENIOR DESIGN CAPSTONE
Credits (Min/Max): 3/3

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.

PreRequisites: GCDN4055 - GRAPHIC DESIGN IV: SENIOR DESIGN SEMINAR

GCDN4050
GRAPHIC DESIGN - SPECIAL TOPICS:
Credits (Min/Max): 3/3

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.

GCDN4051
INTERNSHIP I - GRAPHIC DESIGN
Credits (Min/Max): 1/6

A practical work experience in a field setting. The student receives credits for work performed.

GCDN4055
SENIOR DESIGN SEMINAR
Credits (Min/Max): 3/3

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.

GCDN4058
PORTFOLIO PREPARATION
Credits (Min/Max): 3/3

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.

GEOG2011
WORLD GEOGRAPHY (INST2011)
Credits (Min/Max): 3/3

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 INST2011

GEOG2012
EUROPEAN GEOGRAPHY
Credits (Min/Max): 3/3

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.

GEOG3010
CULTURAL GEOGRAPHY AND THE HUMAN MOSAIC (INST3010)
Credits (Min/Max): 3/3

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. Cross-listed with INST3010

GEOG3013
GEOGRAPHY AND WORLD AFFAIRS (INST3013)
Credits (Min/Max): 3/3

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 INST3013

HIST1010
US HIST 1607 - 1865 FOUNDATIONS OF A REPUBLIC
Credits (Min/Max): 3/3

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.

HIST1011
US HIST: EMERG OF MASS DEMOCRACY (1865-1945)
Credits (Min/Max): 3/3

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

HIST1011H
US HIST: EMERG OF MASS DEMORCRACY (1865-1945) - HONORS
Credits (Min/Max): 3/3

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

HIST1012
US HIST: CONTEMP TIMES (1945-PRES)
Credits (Min/Max): 3/3

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.

HIST1013
WESTERN CIVILIZATION I (SLHS)
Credits (Min/Max): 3/3

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)

HIST1014
WESTERN CIVILIZATION II
Credits (Min/Max): 3/3

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.

HIST1015
HISTORY OF THE WORLD (SLHS)
Credits (Min/Max): 3/3

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.

HIST1016
SOCIAL DYNAMICS OF US HISTORY (SLHS)
Credits (Min/Max): 3/3

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.

HIST2000
BRITAIN AND ITS EMPIRE
Credits (Min/Max): 3/3

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.

HIST2023
THE HISTORY OF ENGLAND
Credits (Min/Max): 3/3

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.

HIST2035
HISTORY OF LATIN AMERICA
Credits (Min/Max): 3/3

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.

HIST2040
THE HISTORY OF WESTERN PENNSYLVANIA
Credits (Min/Max): 3/3

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.

HIST2045
ISLAM IN THE WORLD (POLI/SOCL2045)
Credits (Min/Max): 3/3

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

HIST3000
HISTORY AND CULTURE OF AMERICAN INDIANS
Credits (Min/Max): 3/3

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.

HIST3002
HISTORY OF EUROPEAN DIPLOMACY (POLI3002)
Credits (Min/Max): 3/3

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

HIST3005
CONTEMPORARY CENTRAL AMERICA
Credits (Min/Max): 3/3

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.

HIST3008
THE GREEK WORLD
Credits (Min/Max): 3/3

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.

HIST3010
THE ROMAN WORLD
Credits (Min/Max): 3/3

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.

HIST3015
HISTORY/POLITICAL THOUGHT (POLI3015)
Credits (Min/Max): 3/3

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

HIST3017
THE MIDDLE AGES
Credits (Min/Max): 3/3

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.

HIST3018
HISTORY OF AFRICA
Credits (Min/Max): 3/3

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.

HIST3019
HISTORY OF JAPAN
Credits (Min/Max): 3/3

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.

HIST3020
RUSSIA AND THE SOVIET WORLD
Credits (Min/Max): 3/3

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.

HIST3023
MODERN U.S. DIPLOMATIC HISTORY (INST/POLI3023)
Credits (Min/Max): 3/3

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

HIST3025
SPECIAL TOPICS IN HISTORY:
Credits (Min/Max): 3/3

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.

HIST3026
HISTORY OF MODERN GERMANY
Credits (Min/Max): 3/3

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.

HIST3027
HISTORY OF MODERN EUROPE (INST3027)
Credits (Min/Max): 3/3

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

HIST3028
EAST ASIAN HISTORY (INST3028)
Credits (Min/Max): 3/3

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

HIST3029
SPECIAL TOPICS IN HISTORY:
Credits (Min/Max): 3/3

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.

HIST3030
WOMEN IN AMERICAN HISTORY
Credits (Min/Max): 3/3

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.

HIST3034
HISTORY OF PENNSYLVANIA
Credits (Min/Max): 3/3

"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."

HIST3035
HISTORY AND POLITICS OF FRANCE (POLI3035)
Credits (Min/Max): 3/3

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

HIST3036
HIST OF AMERICAN VALUES, BELIEFS (POLI3036)
Credits (Min/Max): 3/3

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

HIST3037
RELIGIOUS INFLUENCE ON U.S.
Credits (Min/Max): 3/3

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.

HIST3038
HISTORY OF BLACK AMERICANS (POLI3038)
Credits (Min/Max): 3/3

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

HIST3040
VARIETIES OF EARLY CHRISTIANITY
Credits (Min/Max): 3/3

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.

HIST3042
THE CIVIL WAR (POLI3042)
Credits (Min/Max): 3/3

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.

HIST3045
HISTORY AND POLITICS OF MID EAST (POLI3045)
Credits (Min/Max): 3/3

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

HIST3047
JEWISH HISTORY AND POLITICS (POLI3047)
Credits (Min/Max): 3/3

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

HIST3050
HISTORY METHODOLOGY
Credits (Min/Max): 3/3

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.

HIST3051
DEVELOPMENT IN SOUTHEAST ASIA (POLI/SOCL3051)
Credits (Min/Max): 3/3

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

HIST3052
EXPERIENCE OF MODERN WAR (POLI3052)
Credits (Min/Max): 3/3

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

HIST3053
PEASANT POLITICS (POLI3053)
Credits (Min/Max): 3/3

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

HIST3054
FOLKLORE OF PENNSYLVANIA
Credits (Min/Max): 3/3

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.

HIST3060
GLOBAL MYTHS AND LEGENDS
Credits (Min/Max): 3/3

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.

HIST3065
WORLD WAR II (POLI3065)
Credits (Min/Max): 3/3

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

HIST3072
DEMOCRATIC SOCIALISM (POLI3072)
Credits (Min/Max): 3/3

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

HIST3075
HISTORY OF IRELAND AND SCOTLAND (POLI3075)
Credits (Min/Max): 3/3

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

HIST3085
MARXIST POLITICAL THOUGHT (POLI3085)
Credits (Min/Max): 3/3

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

HIST4055
SENIOR SEMINAR
Credits (Min/Max): 3/3

A research course acquainting students with historical research methods through the writing of a seminar paper and through group discussion of the research process.

HIST4057
INDEPENDENT STUDY - HISTORY
Credits (Min/Max): 1/3

Individual study supervised by a full-time faculty member.

HMGT3010
HEALTH FINANCE FOR THE HEALTH SERVICES
Credits (Min/Max): 3/3

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.

HMGT3030
MANAGEMENT AND LEADERSHIP FOR THE HEALTH SERVICES
Credits (Min/Max): 3/3

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.

HMGT3035
HEALTH POLICY IN THE HEALTH SERVICES
Credits (Min/Max): 3/3

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.

HRMT5011
CONCEPTS OF FIN ANAL AND BUDGET
Credits (Min/Max): 3/3

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.

HRMT5012
LEGAL ASPECTS OF HRM
Credits (Min/Max): 3/3

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.

HRMT5013
QUANT. RES. METHODS IN HRM
Credits (Min/Max): 3/3

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.

HRMT5020
ORGANIZATIONAL BEHAVIOR
Credits (Min/Max): 3/3

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.

HRMT5022
INTERNATIONAL HRM AND DIVERSITY
Credits (Min/Max): 3/3

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.

HRMT5025A
INTEGRATIVE SEMINAR
Credits (Min/Max): 3/3

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.

HRMT5025B
INTEGRATIVE SEMINAR
Credits (Min/Max): 3/3

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

PreRequisites: HRMT5013 - QUANT. RES. METHODS IN HRM

HRMT6000
HUMAN RESOURCES INFORMATION SYSTEMS
Credits (Min/Max): 3/3

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.

HRMT6001
COMPUTER AND WEB BASED TRAINING
Credits (Min/Max): 3/3

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.

HRMT6002
WORKFORCE DIVERSITY: LOCAL AND GLOBAL PERSPECTIVES
Credits (Min/Max): 3/3

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.

HRMT6006
TOPICS IN HRM:
Credits (Min/Max): 3/3

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.

HRMT6011
ADV. TOPICS IN LEGAL ASPECTS
Credits (Min/Max): 3/3

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.

HRMT6012
TRAINING AND DEVELOPMENT
Credits (Min/Max): 3/3

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.

HRMT6013
COMPENSATION MANAGEMENT
Credits (Min/Max): 3/3

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.

HRMT6015
EMPLOYEE BENEFITS ADMINISTRATION
Credits (Min/Max): 3/3

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.

HRMT6016
EMPLOYEE HEALTH AND SAFETY
Credits (Min/Max): 3/3

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.

HRMT6017
RECRUITMENT AND PLACEMENT
Credits (Min/Max): 3/3

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.

HRMT6018
LEADERSHIP
Credits (Min/Max): 3/3

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.

HRMT6020
INTERVENTION AND ORGANIZATIONAL CHANGE
Credits (Min/Max): 3/3

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.

HRMT6021
LABOR RELATIONS AND COLLECTIVE BARGAINING
Credits (Min/Max): 3/3

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.

HRMT6034
MANAGING INFORMATION TECHNOLOGY AND CHANGE
Credits (Min/Max): 3/3

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.

HRMT6035
SHRM LEARNING SYSTEM
Credits (Min/Max): 3/3

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).

HRMT6036
PERFORMANCE MANAGEMENT
Credits (Min/Max): 3/3

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.

HRMT6038
STRATEGIES FOR PROFESSIONAL AND ACADEMIC COMMUNICATION
Credits (Min/Max): 3/3

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.

HSCU1005
INTRO TO HEALTH PROFESSIONS
Credits (Min/Max): 1/1

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.

HSCU1010
HEALTH AND WELLNESS
Credits (Min/Max): 3/3

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.

HSCU2001
RADIOLOGIC TECHNOLOGY I
Credits (Min/Max): 2/2

COURSE DESCRIPTION: The first two weeks of HSCU 2001 consists of orientation that will familiarize new students with policies and procedures of the school, the radiology department, and the hospital. Orientation will also serve as an introductory phase to health care by addressing topics of immediate concern for students. HSCU 2001 consists of Radiographic Anatomy of the upper and lower extremity, History of Imaging and Introduction to Radiation, Introduction to Radiation Protection, and Professionalism. The anatomy portion of this course presents general anatomy terminology, as well as the anatomical structures and associated basic terminology of the upper and lower extremities. History of Imaging and Introduction to Radiation teaches the discovery of x-rays and the progress of medical imaging. Introduction to Radiation Protection teaches students about radiation dose limits, effects, and basic rules of radiation protection of self, patient, co-workers, and the public. Professionalism addresses the standard of behavior and action expected of a medical professional including cultural diversity & sensitivity, ethical aspects of care, and patient rights.
All courses, with the exception of Positioning Anatomy, will be studied in depth in future radiography theory courses.

REQUIREMENTS: Class attendance and participation are essential. Students are not permitted to miss classes during the orientation period of this course. Students who miss class are responsible for all covered material. Students must earn a passing grade (75%) in each segment of the radiographic didactic courses. Failure to do so will result in a failing grade for the entire course as stated in the Student Handbook and immediate dismissal from the program. Plagiarizing or cheating on any assignment, quiz, or test will not be tolerated. In the event this behavior is identified the resulting grade will be “zero”.

HSCU2002
CLINICAL EDUCATION I
Credits (Min/Max): 2/2

COURSE DESCRIPTION: HSCU 2002 provides several orientations; the July orientation will cover topics to be addressed prior to the start of fall semester, CPR class will also be provided prior to the beginning of fall, as well as the Hospital orientation and the Department of Imaging orientation. While in the Department of Imaging, there will be direct supervision of students in clinical room rotations through diagnostic, fluoroscopic, specialized, emergent, and portable/operative Imaging. Students also rotate through other facets of the imaging department including the front office, and file room. Lab Demonstrations consist of examinations of the upper and lower extremities. Preliminary Imaging Examination Competencies and Imaging Examination Competencies are required. Written examinations and assignments are required. Professional adjustment is evaluated. One evaluation of the student by an attending qualified radiographer is required.

REQUIREMENTS: Class attendance and participation are essential. Students are not permitted to miss classes during the orientation period of this course. Students who miss class are responsible for all covered material. Students must earn a passing grade (85%) in each segment of the radiographic clinical courses and a passing grade (75%) in the segment of the radiographic didactic course. Failure to do so will result in a failing grade for the entire course as stated in the Student Handbook and immediate dismissal from the program. Plagiarizing or cheating on any assignment, quiz, or test will not be tolerated. In the event this behavior is identified the resulting grade will be "zero".

HSCU2003
RADIOLOGIC TECHNOLOGY II
Credits (Min/Max): 2/2

HSCU 2003 provides information on the formation and recording of the radiographic imaging regarding computed radiography and digital radiography design and function. Imaging regarding grids, scatter control, exposure selection and technical exposure. Patient care components such as history taking, patient handling and transport, vital signs, oxygen administration, cardiac monitoring, infection control, and patient assessment are presented. Radiographic anatomy of the thoracic viscera, abdomen, shoulder girdle and bony thorax is included.

HSCU2004
CLINICAL EDUCATION II
Credits (Min/Max): 2/2

This course provides competency based clinical instruction in examination of the chest, abdomen, shoulder girdle, and bony thorax.

HSCU2005
RADIOLOGIC TECHNOLOGY III
Credits (Min/Max): 2/2

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. An introduction to radiographic physics is included in this course.

HSCU2006
CLINICAL EDUCATION III
Credits (Min/Max): 2/2

This course provides competency based clinical instruction in examination of the pelvis, hips and spine.

HSCU2007
RADIOLOGIC TECHNOLOGY IV
Credits (Min/Max): 2/2

COURSE DESCRIPTION: HSCU 2007 consists of two segments – Radiation Biology and Protection, and Patient Care. The Radiation Biology section of this course emphasizes the biological hazards of radiation. The Radiation Protection segment provides in-depth information on the concepts of radiation detection and measurement, patient and radiographer protection, and state and federal agencies and regulations. Patient Care focuses on pharmacology as it relates to contrast administration, complications, and reactions. Venipuncture is also included in the Patient Care portion of this course and covers venous anatomy and standard injection technique. Students will initially perform venipuncture on a mannequin and systematically progress to certification in venipuncture by successful injections of actual patients under the direct supervision of the radiology nurse.

REQUIREMENTS: Class attendance and participation is essential. Students who miss class are responsible for all covered material. Students must earn a passing grade (75%) in each segment of the radiographic didactic courses. Failure to do so will result in a failing grade for the entire course as stated in the Student Handbook and immediate dismissal from the program. Plagiarizing or cheating on any assignment, quiz, or test will not be tolerated. In the event this behavior is identified the resulting grade will be "zero".

PreRequisites: HSCU2005 - RADIOLOGIC TECHNOLOGY III

HSCU2008
CLINICAL EDUCATION IV
Credits (Min/Max): 3/3

COURSE DESCRIPTION: Students are assigned weekly clinical room rotations under indirect or direct supervision through diagnostic and fluoroscopic imaging, according to the level of individual student competency. Students are directly supervised in specialized, emergent, and portable/operative imaging, as well as in CT, and Ultrasound. Application of imaging technique, positioning, and protection is emphasized. Lab Demonstrations focus on examinations of skull and paranasal sinuses. Preliminary Imaging Examination Competencies and Imaging Examination Competencies are required. Written examinations and assignments are required. Professional adjustment is evaluated. Three evaluations of the student by an attending qualified imaging technologist is required, as well as one evaluation from the CT rotation.

REQUIREMENTS: Class attendance and participation are essential. Students are not permitted to miss classes during the orientation period of this course. Students who miss class are responsible for all covered material. Students must earn a passing grade (85%) in each segment of the radiographic clinical courses and a passing grade (75%) in the segment of the radiographic didactic course. Failure to do so will result in a failing grade for the entire course as stated in the Student Handbook and immediate dismissal from the program. Plagiarizing or cheating on any assignment, quiz, or test will not be tolerated. In the event this behavior is identified the resulting grade will be “zero”.

PreRequisites: HSCU2005 - RADIOLOGIC TECHNOLOGY III

HSCU2009
RADIOLOGIC TECHNOLOGY V
Credits (Min/Max): 2/2

HSCU 2009 provides information on radiographic equipment and the production and characteristics of radiation (radiation physics), as well as the requirements of radiographic quality control. Special radiographic modality imaging methods and alternate imaging equipment are also presented. Digital radiography, digital fluoroscopy, digital imaging and digital technique and artifacts will also be included.

HSCU2010
CLINICAL EDUCATION V
Credits (Min/Max): 3/3

This course provides competency based clinical 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.

HSCU2011
RADIOLOGIC TECHNOLOGY VI
Credits (Min/Max): 2/2

Information on various pathologic conditions and their impact on the radiographic process is presented in this summer session.

HSCU2012
CLINICAL EDUCATION VI
Credits (Min/Max): 2/2

This course provides competency based clinical instruction in radiographic examinations of the endocrine, circulatory, nervous, and reproductive system, as well as on arthrography.

HSCU2013
RADIOLOGIC TECHNOLOGY VII
Credits (Min/Max): 2/2

This final course in the radiography program provides a comprehensive review of all of the radiographic material that has been presented to prepare the student for the registry exam. Clinic sessions will focus on demonstration of competency in all ARRT required radiographic procedures.

HSCU2014
KINESIOLOGY (EXSP2014)
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU2015
SOCIAL AND POLITICAL ASPECTS OF HEALTH AND WELLNESS (EXSP2015)
Credits (Min/Max): 3/3

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

HSCU2016
GLOBAL HEALTH CARE (GLBL)
Credits (Min/Max): 3/3

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)

HSCU3005
MOTOR LEARNING, CONTROL AND DEVELOPMENT (EXSP3005)
Credits (Min/Max): 3/3

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

PreRequisites: BIOL1024 - HUMAN ANATOMY AND PHYSIOLOGY II

HSCU3007
BIOMECHANICS (EXSP3007)
Credits (Min/Max): 3/3

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

PreRequisites:

HSCU3014
KINESIOLOGY (EXSP3014)
Credits (Min/Max): 3/3

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

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU3015
BIOLOGY OF AGING
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU3018
PATHOLOGY OF INFECTIOUS DISEASES
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1015 - MICROBIOLOGY FOR HEALTH SCIENCES

HSCU3021
HUMAN PATHOPHYSIOLOGY I
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU3025
EXERCISE PHYSIOLOGY AND SPORTS NUTRITION (EXSP3025)
Credits (Min/Max): 3/3

This course is designed to introduce students to the basic principles Sports Nutrition and Exercise Physiology with an emphasis on wellness promotion throughout life.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU3028
SPECIAL TOPIC IN HEALTH SCIENCE:
Credits (Min/Max): 1/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU3030
FITNESS TESTING AND EXERCISE PRESCRIPTION (EXSP3030)
Credits (Min/Max): 3/3

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

PreRequisites: EXSP3025 - EXERCISE PHYSIOLOGY & SPORTS NUTRITION(HSCU3025)

HSCU3031
PUBLIC HEALTH
Credits (Min/Max): 3/3

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.

HSCU3033
TOXICOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1001 - LIFE SCIENCE (SLSC1011)

HSCU3041
HUMAN PATHOPHYSIOLOGY II
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU3045
PHARMACOLOGY FOR HEALTH SCIENCE
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1015 - MICROBIOLOGY FOR HEALTH SCIENCES

HSCU3050
HEALTH ASSESSMENT IN HEALTH SCIENCES
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY & PHYSIOLOGY II

HSCU3055
EPIDEMIOLOGY FOR HEALTH SCIENCES
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1001 - LIFE SCIENCE (SLSC1011)

HSCU3060
ENDOCRINOLOGY FOR HEALTH SCIENCES
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1024 - HUMAN ANATOMY AND PHYSIOLOGY II

HSCU4003
STRENGTH AND CONDITIONING (EXSP4003)
Credits (Min/Max): 3/3

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

PreRequisites: EXSP3007 - BIOMECHANICS (HSCU3007)

HSCU4005
CLINICAL EXERCISE PHYSIOLOGY (EXSP4005)
Credits (Min/Max): 3/3

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

PreRequisites: EXSP3007 - BIOMECHANICS (HSCU3007)

IDSN1011
INTERIOR GRAPHICS I
Credits (Min/Max): 3/3

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.

IDSN1020
INTERIOR DESIGN I
Credits (Min/Max): 3/3

An introductory course in interior design theory, principles, and processes, which are applied to spaces with simple design programs where people live and work.

PreRequisites: IDSN1011 - INTERIOR GRAPHICS I

IDSN1020A
INTERIOR DESIGN I
Credits (Min/Max): 3/3

An introductory course in interior design theory, principles, and processes, which are applied to spaces with simple design programs where people live and work.

IDSN1020B
INTERIOR DESIGN I
Credits (Min/Max): 3/3

An introductory course in interior design theory, principles, and processes, which are applied to spaces with simple design programs where people live and work.

PreRequisites: IDSN1020A - INTERIOR DESIGN I

IDSN1021
INTERIOR GRAPHICS II
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN1011 - INTERIOR GRAPHICS I

IDSN1023
DRAWING I (GCDN1023)
Credits (Min/Max): 3/3

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

IDSN1060
FOUNDATION DESIGN I (GCDN1060)
Credits (Min/Max): 3/3

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 GCDN1060

IDSN1062
FOUNDATION DESIGN II (GCDN1062)
Credits (Min/Max): 3/3

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 GCDN1062

PreRequisites: GCDN1060 - FOUNDATION DESIGN I(IDSN1060)

IDSN2015
COMPUTER GRAPHICS FOR INTERIORS
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN1020B - INTERIOR DESIGN I

IDSN2032
HISTORY OF ID AND ARCHITECTURE I
Credits (Min/Max): 3/3

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.

IDSN2035
INTERIOR PHOTOGRAPHY
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN1060 - FOUNDATION DESIGN I(GCDN1060)

IDSN2038A
INTERIOR DESIGN II (A)
Credits (Min/Max): 3/3

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.

IDSN2038B
INTERIOR DESIGN II (B)
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2038A - INTERIOR DESIGN II(A)

IDSN2038C
INTERIOR DESIGN II (C)
Credits (Min/Max): 3/3

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.

IDSN2039
HISTORY OF ID AND ARCHITECTURE II
Credits (Min/Max): 3/3

A survey of interiors and architecture from the Renaissance through the 18th century, with special emphasis on styles and furniture.

PreRequisites: ENGL1012 - COLLEGE WRITING II

IDSN2044
BUILDING TECH: CONSTRUCTION
Credits (Min/Max): 1.5/3

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.

PreRequisites: IDSN2038B - INTERIOR DESIGN II (B)

IDSN2045
ARCHITECTURAL RENDERING
Credits (Min/Max): 3/3

An advanced course in the delineation of the interior space. Emphasis is on the development of individual style and expanded technical rendering knowledge.

IDSN2048
FURNITURE AND CUSTOM DETAILING
Credits (Min/Max): 3/3

A studio course that provides instruction and hands-on experiences related to the materials, design, and construction techniques of furniture, cabinetry, and millwork detailing.

PreRequisites: IDSN2038A - INTERIOR DESIGN II(A)

IDSN2052
BUILDING TECH: FINISH MATERIALS & TEXTILES
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN1020B - INTERIOR DESIGN I

IDSN3010
WRITING AND PRESENTING FOR DESIGNERS (GCDN3010)
Credits (Min/Max): 3/3

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

PreRequisites: ENGL1012 - COLLEGE WRITING II

IDSN3015
STUDY OF GREAT AMERICAN HOUSES
Credits (Min/Max): 3/3

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.

IDSN3020
INTEGRATIVE BUILDING DESIGN
Credits (Min/Max): 3/3

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

PreRequisites: IDSN2046 - BUILDING TECH II:FINISH MATERIAL

IDSN3028A
INTERIOR DESIGN III (A)
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2038B - INTERIOR DESIGN II(B)

IDSN3028B
INTERIOR DESIGN III (B)
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN3028A - INTERIOR DESIGN III(A)

IDSN3032
HISTORY OF ID AND ARCHITECTURE III
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

IDSN3040
BUILDING TECH III: LIGHTING AND ELECTRICAL
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2038A - INTERIOR DESIGN II(A)

IDSN3041
BUILDING TECH: CONTROL SYSTEMS
Credits (Min/Max): 1.5/3

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.

PreRequisites: IDSN2038B - INTERIOR DESIGN II(B)

IDSN3050
SUSTAINABLE BUILDING PRACTICES
Credits (Min/Max): 3/3

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.

IDSN3053
ENVIRONMENTAL GRAPHIC DESIGN (GCDN3053)
Credits (Min/Max): 3/3

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

PreRequisites: GCDN1071 - COMPUTER GRAPHICS II

IDSN3055
KITCHEN AND BATH DESIGN
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2038A - INTERIOR DESIGN II(A)

IDSN3059
ADVANCED IDEAS SEMINAR IN ID
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2038A - INTERIOR DESIGN II(A)

IDSN3062
ADVANCED RENDERING AND MODELING I
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2045 - ARCHITECTURAL RENDERING

IDSN3064
ADVANCED COMPUTER MODELING AND RENDERING II
Credits (Min/Max): 2/2

An advanced course in 3-D computer generated models, renderings, and walk-throughs as they are used in the practice of Interior Design.

PreRequisites: IDSN2045 - ARCHITECTURAL RENDERING

IDSN4000
DIRECTED PROFESSIONAL EXPERIENCE
Credits (Min/Max): 3/3

A professional experience in interior architecture & design.

IDSN4041
BUSINESS PRACTICES FOR ID
Credits (Min/Max): 3/3

Professional aspects concerning the practice of interior design including such topics as estimation, trade relations, contracts and office procedures and organization.

PreRequisites: IDSN2038B - INTERIOR DESIGN II(B)

IDSN4042
CONTRACT DOCUMENTS
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2044 - BUILDING TECH I: CONSTRUCTION

IDSN4050C
SPECIAL TOPICS - INTERIOR DESIGN
Credits (Min/Max): 3/3

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.

IDSN4051
INTERNSHIP I - INTERIOR DESIGN
Credits (Min/Max): 1/6

A practical work experience in a field setting. The student receives credit for work performed in the area of interior design.

IDSN4052
INTERNSHIP II - INTERIOR DESIGN
Credits (Min/Max): 1/3

A practical work experience in a field setting. The student receives credit for work performed in the area of interior design.

PreRequisites: IDSN4051 - INTERIOR DESIGN-INTERNSHIP I

IDSN4057
INDEPENDENT STUDY- INTERIOR DESIGN
Credits (Min/Max): 1/3

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.

IDSN4058
PORTFOLIO PREPARATION
Credits (Min/Max): 3/3

Instruction and guidance in the preparation of a professional portfolio. Prerequisite: senior status in interior design major.

PreRequisites: IDSN3028A - INTERIOR DESIGN III(A)

IDSN4059
SENIOR DESIGN SEMINAR I
Credits (Min/Max): 3/3

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.

PreRequisites: IDSN2044 - BUILDING TECH I: CONSTRUCTION

IDSN4060
SENIOR DESIGN SEMINAR II
Credits (Min/Max): 3/3

Building on the research knowledge and design program evolved in IDSN40459 Senior Design Seminar I, 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.

PreRequisites: IDSN4059 - SENIOR DESIGN SEMINAR I

INMT3039
INTERNATIONAL BUSINESS MGMT
Credits (Min/Max): 3/3

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.

INMT3049
INT'L MKT AND EXPORT MGMT (MRKT3049)
Credits (Min/Max): 3/3

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

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

INMT4040
TOPICS AND ISSUES IN INTERNATIONAL MANAGEMENT
Credits (Min/Max): 3/3

This course will provide an in-depth examination of selected topics and issues in the field of international management.

INMT4046
INTERNATIONAL FINANCE
Credits (Min/Max): 3/3

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.

PreRequisites: FINC3032 - FINANCIAL MANAGEMENT

INMT4048
INTERNATIONAL LEGAL ENVIRONMENT (INST4048)
Credits (Min/Max): 3/3

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

PreRequisites: INMT3039 - INTERNATIONAL BUSINESS MGMT

INMT4051
INTERNSHIP I - INTERNATIONAL MANAGEMENT
Credits (Min/Max): 1/6

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.

INQU3002
ANIMAL RIGHTS
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU3003
WAR IN FILM AND LITERATURE (SLAE SLLT)
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU3004
CRIME, TERROR AND THE ENVIRONMENT - A GLOBAL PERSPECTIVE
Credits (Min/Max): 3/3

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)

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU3005
WHY WE FIGHT: HISTORICAL CONFLICT IN FACT, FICTION AND FILM
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU3007
GAME STUDIES
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU3015
EARLY CANADIAN HISTORY AND TALES
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU3016
THE HOLOCAUST AND MODERN GENOCIDE
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU4001
THE CLASH OF CONSCIENCE AND CONVENTIONS IN LITERATURE AND FILM
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

INQU4001H
THE CLASH OF CONSCIENCE AND CONVENTIONS IN LITERATURE AND FILM - HONORS
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU4017
DISEASES THAT CHANGED THE WORLD
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

INQU4019
GALAPAGOS ISLANDS COMMUNITIES
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - ACADEMIC WRITING AND RESEARCH

INQU4025
WOMEN ACROSS CULTURES
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

INST2001
GLOBAL POLITICS (POLI2001)
Credits (Min/Max): 3/3

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

INST2011
WORLD GEOGRAPHY (GEOG2011)
Credits (Min/Max): 3/3

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

INST2013
INTRO TO INTERNATIONAL STUDIES
Credits (Min/Max): 3/3

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.

INST2013H
INTRO TO INTERNATIONAL STUDIES HONORS
Credits (Min/Max): 3/3

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.

INST3001
INTERNATL ORG AND THE LEGAL FRAMEWORK OF INTERNATL AFFAIRS
Credits (Min/Max): 3/3

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.

INST3003
INTERNATIONAL POLITICAL ECONOMY (ADMG3003)
Credits (Min/Max): 3/3

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

PreRequisites: ADMG1005 - MACROECONOMICS

INST3010
CULTURAL GEOGRAPHY AND THE HUMAN MOSAIC(GEOG3010)
Credits (Min/Max): 3/3

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

INST3011
RESEARCH METHODS (SOCL3011)
Credits (Min/Max): 3/3

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

PreRequisites: MATH1040 - PROBABILITY & STATISTICS

INST3013
GEOGRAPHY AND WORLD AFFAIRS (GEOG3013)
Credits (Min/Max): 3/3

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

INST3021
COMPARATIVE GOVERNMENT (POLI3021)
Credits (Min/Max): 3/3

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

INST3023
MODERN U.S. DIPLOMATIC HISTORY (HIST/POLI3023)
Credits (Min/Max): 3/3

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

INST3025
DEVELOPMENT: POLITICAL, SOCIAL AND ECONOMIC ISSUES (POLI3025)
Credits (Min/Max): 3/3

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

INST3027
HISTORY OF MODERN EUROPE (HIST3027)
Credits (Min/Max): 3/3

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

INST3028
EAST ASIAN HISTORY (HIST3028)
Credits (Min/Max): 3/3

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

INST3033
AMERICAN FOREIGN POLICY (POLI3033)
Credits (Min/Max): 3/3

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

INST4048
INTERNATIONAL LEGAL ENVIRONMENT (INMT4048)
Credits (Min/Max): 3/3

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

PreRequisites: INMT3039 - INTERNATIONAL BUSINESS MGMT

INST4055
SENIOR SEMINAR (SOCL4055)
Credits (Min/Max): 3/3

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

ISTC1005
PRACTICAL COMPUTER APPLICATONS
Credits (Min/Max): 3/3

This course provides the student with hands-on use of personal computers and Microsoft Office. Email etiquette and management as well as effective and efficient access and evaluation of information from the Internet are also introduced. Emphasis is on learning the concepts and skills necessary to complete the task at hand using the computer, related software, and the Internet. While learning the keystrokes is important, equally important is using the right tool for the right job. Word processing, electronic spreadsheets, graphic presentations, and the Windows Operating environments including file and folder management are presented in this course.

ISTC1010
DIGITAL LITERACY
Credits (Min/Max): 3/3

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.

ISTC1021
PROBLEM SOLVING
Credits (Min/Max): 3/3

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.

ISTC1025
COMPUTER HARDWARE
Credits (Min/Max): 3/3

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.

ISTC2005
IT: A GLOBAL PERSPECTIVE
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC2008
INTRO TO CYBERSPACE
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC2021
MGMT OF INFORMATION SYSTEMS
Credits (Min/Max): 3/3

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.

ISTC2025
DISTANCE LEARNING AND IT SUPPORT
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL2030 - TECHNICAL WRITING

ISTC2030
NETWORKING
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1025 - COMPUTER HARDWARE

ISTC2045
DATA BASE MANAGEMENT SYSTEMS
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC2050
DISTRIBUTED SYSTEMS
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC3005
INTRO TO INTELLECTUAL PROPERTY
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC3008
WEB PAGE USABILITY AND PROGRAMMING
Credits (Min/Max): 3/3

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.

ISTC3010
IT SERVICES ADMINISTRATION
Credits (Min/Max): 3/3

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.

ISTC3015
HUMAN-COMPUTER INTERACTION
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC3020
COMPUTER PROGRAMMING: COBOL
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1021 - PROBLEM SOLVING

ISTC3025
CASE STUDIES USING ADVANCED EXCEL (ADMG3025)
Credits (Min/Max): 3/3

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

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC3028
SCRIPTING FOR THE WEB I
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC3030
LINUX
Credits (Min/Max): 3/3

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.

ISTC3031
ADVANCED NETWORKING AND TELECOM
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC2030 - NETWORKING

ISTC3034
PROGRAMMING IN JAVA
Credits (Min/Max): 3/3

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).

PreRequisites: ISTC1021 - PROBLEM SOLVING

ISTC3046
ADV DATA BASE MGMT SYSTEMS
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC1005 - PRACTICAL COMPUTER APPLICATIONS

ISTC4042
SYSTEMS ANALYSIS AND DESIGN
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL2030 - TECHNICAL WRITING

ISTC4055
IT-SENIOR SEMINAR
Credits (Min/Max): 3/3

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.

PreRequisites: ISTC4042 - SYSTEMS ANALYSIS & DESIGN

ISTG5010
CYBER SECURITY AND DISASTER RECOVERY
Credits (Min/Max): 3/3

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.

ISTG5015
SOCIAL COMPUTING SYSTEMS
Credits (Min/Max): 3/3

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.

ISTG5020
CLOUD COMPUTING AND CLIENT ARCHITECTURE
Credits (Min/Max): 3/3

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.

ISTG5025
LEGAL AND ETHICAL ISSUES IN INFORMATION SYSTEMS
Credits (Min/Max): 3/3

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.

ISTG6010
OBJECT ORIENTED SYSTEMS
Credits (Min/Max): 3/3

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.

PreRequisites:

ISTG6015
DATA MINING, DATA ANALYTICS AND BIG DATA
Credits (Min/Max): 3/3

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.

PreRequisites:

ISTG6020
STRATEGIC MANAGEMENT OF INFORMATION SYSTEMS
Credits (Min/Max): 3/3

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.

PreRequisites:

ISTG6025
PROJECT MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites:

ISTG6030
ENTERPRISE INFORMATION SYSTEMS
Credits (Min/Max): 3/3

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.

ISTG6050
MSIS CAPSTONE EXPERIENCE
Credits (Min/Max): 3/3

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.

ISTG6051
INTERNSHIP - MSIS
Credits (Min/Max): 1/3

An optional internship in Information Systems.

LEAD3001
DYNAMICS OF TEAMS
Credits (Min/Max): 3/3

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.

LEAD3051
INFORMATION LITERACY
Credits (Min/Max): 3/3

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.

LEAD3056
MANAGEMENT AND FINANCIAL ANALYSIS
Credits (Min/Max): 6/6

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.

LEAD3061
MACRO-ORGANIZATIONAL BEHAVIOR
Credits (Min/Max): 3/3

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.

LEAD4001
LEADERSHIP AND ETHICS
Credits (Min/Max): 3/3

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.

LEAD4021
COMMUNICATING CHANGE
Credits (Min/Max): 3/3

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.

LEAD4026
GLOBAL THINKING AND E-COMMERCE
Credits (Min/Max): 3/3

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.

LEAD4031
HR CONCEPTS AND NEGOTIATIONS
Credits (Min/Max): 3/3

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.

LEAD4061
CAPSTONE PROJECT
Credits (Min/Max): 3/3

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.

LRUX1001
LRX: FOUNDATIONS AND MISSION
Credits (Min/Max): 1/1

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.

LRUX1001V
LRX: INTRO AND HISTORY - VIRTUAL (LRUX1001)
Credits (Min/Max): 0/0

The La Roche Experience aims to provide students with the opportunity to experience and share in the spirit, mission, and rich heritage of the Sisters of Divine Providence. The Congregation of Divine Providence (CDP), 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.

This is the first of the La Roche Experience courses. This version has been created specifically to address the needs of transfer students who do not need an introduction to the academic experience of four-year colleges in general. LRCX1001V will introduce transfer students to the history and heritage of the La Roche University community including the Congregation of Divine Providence and present the themes of the UN Millennium Development Goals/Global Goals for Sustainable Development and Catholic Social Teaching that will recur during the remaining portions of their journey through the La Roche experience.

LRUX1002
LRX: DIVERSITY AND DISCRIMINATION
Credits (Min/Max): 1/1

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 (CDP), 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 LRUX1001, the learning objective of LRUX1002 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 Diversity and Discrimination

LRUX2001
LRX: REGIONS OF CONFLICT
Credits (Min/Max): 1/1

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 (CDP), 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 LRUX1001, the learning objective of LRUX2001 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 a region of conflict and its effect on humanity.

LRUX2002
LRX: ECONOMIC JUSTICE
Credits (Min/Max): 1/1

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 LRUX1001, the learning objective of LRUX2002 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 on economic justice and environmental sustainability.

LRUX2500
INVESTIGATING SOCIAL PROBLEMS
Credits (Min/Max): 3/3

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.

PreRequisites: LRUX1001 - LRX: INTRO AND HISTORY

MATH1002
FOUNDATIONS OF QUANTITATIVE REASONING
Credits (Min/Max): 3/3

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.

MATH1004
STATISTICS IN HEALTH CARE
Credits (Min/Max): 3/3

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.

MATH1010
COLLEGE ALGEBRA
Credits (Min/Max): 3/3

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.

MATH1023
COLLEGE TRIGONOMETRY
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH1029
PRE CALCULUS
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH1030
CALCULUS FOR BUSINESS, ECONOMICS AND MGMT SCIENCES
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH1032
ANALYTIC GEOMETRY AND CALCULUS I
Credits (Min/Max): 4/4

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.

PreRequisites:

MATH1033
ANALYTIC GEOMETRY AND CALCULUS II
Credits (Min/Max): 4/4

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.

PreRequisites: MATH1032 - ANALYTIC GEOMETRY & CALCULUS I

MATH1040
PROBABILITY AND STATISTICS
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH1040H
PROBABILITY AND STATISTICS -HONORS
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH1070
FINITE MATHEMATICS FOR BUSINESS
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH1090
INTRO TO CHEM SCHOLAR (CHEM1090)
Credits (Min/Max): 1/1

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

MATH2000
MATHEMATICS FOR LIBERAL ARTS
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH2006
ANALYTIC THINKING AND PROBLEM SOLVING
Credits (Min/Max): 3/3

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.

MATH2023
GEOMETRY AND MEASUREMENT
Credits (Min/Max): 3/3

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.

PreRequisites:

MATH2030
ANALYTIC GEOMETRY AND CALC III
Credits (Min/Max): 4/4

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.

PreRequisites: MATH1033 - ANALYTIC GEOMETRY & CALCULUS II

MATH2031
ORDINARY DIFFERENTIAL EQUATIONS
Credits (Min/Max): 3/3

A study of first and second order differential equations, infinite series, Laplace transforms and power series together with existence of solution and uniqueness theorems.

PreRequisites: MATH2030 - ANALYTIC GEOMETRY & CALC III

MATH2050
DISCRETE MATHEMATICS I
Credits (Min/Max): 3/3

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.

PreRequisites: MATH1032 - ANALYTIC GEOMETRY & CALCULUS I

MATH2051
DISCRETE MATHEMATICS II
Credits (Min/Max): 3/3

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.

PreRequisites: CSCI2017 - DISCRETE STRUCTURES FOR COMPUTER SCIENCE

MATH2070
FINITE MATHEMATICS
Credits (Min/Max): 3/3

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.

MATH2075
INTRO TO APPLIED ANALYSIS
Credits (Min/Max): 3/3

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.

PreRequisites: MATH1033 - ANALYTIC GEOMETRY & CALCULUS II

MATH3010
ELEMENTARY NUMBER THEORY
Credits (Min/Max): 3/3

A study of the properties of integers, the fundamental theorem of arithmetic, congruences, linear diophantine equations, quadratic residues and continued fractions.

MATH3015
LINEAR ALGEBRA
Credits (Min/Max): 3/3

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.

MATH3020
INTRO TO MATHEMATICAL NEUROSCIENCE
Credits (Min/Max): 3/3

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.

PreRequisites: MATH1033 - ANALYTIC GEOMETRY & CALCULUS II

MATH3035
COMPLEX ANALYSIS
Credits (Min/Max): 3/3

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.

PreRequisites: MATH2030 - ANALYTIC GEOMETRY & CALC III

MATH3040
PROBABILITY AND STATISTICS I
Credits (Min/Max): 3/3

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.

MATH3045
PROBABILITY AND STATISTICS II
Credits (Min/Max): 3/3

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.

PreRequisites: MATH3040 - PROBABILITY & STATISTICS I

MATH4003
HISTORY OF MATHEMATICS
Credits (Min/Max): 3/3

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.

PreRequisites: MATH2031 - ORDINARY DIFFERENTIAL EQUATIONS

MATH4015
MODERN ABSTRACT ALGEBRA
Credits (Min/Max): 3/3

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.

PreRequisites: MATH2031 - ORDINARY DIFFERENTIAL EQUATIONS

MATH4020
GEOMETRY
Credits (Min/Max): 3/3

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.

PreRequisites: MATH2030 - ANALYTIC GEOMETRY & CALC III

MATH4035
REAL ANALYSIS
Credits (Min/Max): 3/3

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.

PreRequisites: MATH2031 - ORDINARY DIFFERENTIAL EQUATIONS

MATH4045
DATA REDUCTION AND ERROR ANALYSIS FOR THE PHYSICAL SCIENCES
Credits (Min/Max): 3/3

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.

MATH4057
INDEPENDENT STUDY - MATHEMATICS
Credits (Min/Max): 1/4

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.

MATH4060
NUMERICAL MATHEMATICS AND NUMERICAL COMPUTING I
Credits (Min/Max): 3/3

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.

PreRequisites: MATH2031 - ORDINARY DIFFERENTIAL EQUATIONS

MATH4061
NUMERICAL MATHEMATICS AND NUMERICAL COMPUTING II
Credits (Min/Max): 3/3

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.

PreRequisites: MATH4060 - NUMERICAL MATHEMATICS & NUMERICAL COMPUTING I

MATH4090
JR/SR SEMINAR IN MATHEMATICS
Credits (Min/Max): 1/1

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.

MATH4094
SPECIAL PROBLEMS IN MATHEMATICS
Credits (Min/Max): 3/3

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.

MCOM5010
ORGANIZATIONAL COMMUNICATION
Credits (Min/Max): 3/3

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.

MCOM5020
COMMUNICATION RESEARCH METHODS
Credits (Min/Max): 3/3

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.

MCOM5030
DIGITAL COMMUNICATION
Credits (Min/Max): 3/3

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.

MCOM5040
MEDIA THEORY
Credits (Min/Max): 3/3

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.

MCOM5050
COMMUNICATION ETHICS
Credits (Min/Max): 3/3

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.

MCOM6010
CONFLICT MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: MCOM5020 - COMMUNICATION RESEARCH METHODS

MCOM6020
INTERCULTURAL COMMUNICATION
Credits (Min/Max): 3/3

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.

PreRequisites: MCOM5020 - COMMUNICATION RESEARCH METHODS

MCOM6030
STRATEGIC COMMUNICATION
Credits (Min/Max): 3/3

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.

PreRequisites: MCOM5020 - COMMUNICATION RESEARCH METHODS

MCOM6040
SOCIAL MEDIA THEORY
Credits (Min/Max): 3/3

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.

PreRequisites: MCOM5040 - MEDIA THEORY

MCOM6050
COMMUNICATION AND SOCIAL CHANGE
Credits (Min/Max): 3/3

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.

PreRequisites: MCOM5020 - COMMUNICATION RESEARCH METHODS

MCOM6090
PRACTICUM
Credits (Min/Max): 1/1

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.

MLAR1001
ELEMENTARY ARABIC I
Credits (Min/Max): 4/4

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.

MLAR1002
ELEMENTARY ARABIC II
Credits (Min/Max): 4/4

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.

PreRequisites: MLAR1001 - ELEMENTARY ARABIC I

MLAR2001
INTERMEDIATE ARABIC I
Credits (Min/Max): 3/3

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.

PreRequisites: MLAR1002 - ELEMENTARY ARABIC II

MLAR2002
INTERMEDIATE ARABIC II
Credits (Min/Max): 3/3

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.

PreRequisites: MLAR2001 - INTERMEDIATE ARABIC I

MLAR3001
ARABIC LANGUAGE AND CULTURE I
Credits (Min/Max): 3/3

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.

PreRequisites: MLAR2002 - INTERMEDIATE ARABIC II

MLAR3002
ADVANCED ARABIC II
Credits (Min/Max): 3/3

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.

MLED2000
ENGLISH LANGUAGE LEARNERS IN THE MULTICULTURAL CLASSROOM
Credits (Min/Max): 3/3

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.

MLED2005
STRUCTURES OF ENGLISH
Credits (Min/Max): 3/3

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.

MLED2010
LANGUAGE LEARNING AND INSTRUCTION
Credits (Min/Max): 3/3

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.

MLED3000
METHODS OF TEACHING AND EVALUATING ENGLISH AS A SECOND LANGUAGE
Credits (Min/Max): 3/3

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.

MLED3002
METHODS OF TEACHING AND EVALUATING ENGLISH LANGUAGE LEARNERS
Credits (Min/Max): 3/3

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.

MLED3005
CURRICULUM AND MATERIALS DEVELOPMENT FOR ENGLISH LANGUAGE LEARNERS
Credits (Min/Max): 3/3

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.

MLED3010
METHODS OF TEACHING AND EVALUATING FOREIGN LANGUAGE ED
Credits (Min/Max): 3/3

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.

MLED3015
FIELD PLACEMENT/PRACTICUM TESOL
Credits (Min/Max): 1/1

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.

MLED3080
CURRICULUM AND MATERIALS DEVELOPMENT FOR FOREIGN LANGUAGES
Credits (Min/Max): 3/3

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.

MLFR1001
ELEMENTARY FRENCH I
Credits (Min/Max): 4/4

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.

MLFR1002
ELEMENTARY FRENCH II
Credits (Min/Max): 4/4

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.

PreRequisites: MLFR1001 - ELEMENTARY FRENCH I

MLFR2001
INTERMEDIATE FRENCH I
Credits (Min/Max): 3/3

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.

PreRequisites: MLFR1002 - ELEMENTARY FRENCH II

MLFR2002
INTERMEDIATE FRENCH II
Credits (Min/Max): 3/3

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.

PreRequisites: MLFR2001 - INTERMEDIATE FRENCH I

MLFR3001
ADVANCED FRENCH LANGUAGE AND CULTURE I
Credits (Min/Max): 3/3

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.

PreRequisites: MLFR2002 - INTERMEDIATE FRENCH II

MLFR3002
ADVANCED FRENCH LANGUAGE AND CULTURE II
Credits (Min/Max): 3/3

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.

PreRequisites: MLFR3001 - ADVANCED FRENCH LANGUAGE & CULTURE I

MLFR3005
FRENCH CIVILIZATION
Credits (Min/Max): 3/3

A study of the French and Francophone culture, civilization, literary genres, and authors from the 16th-21st century.

PreRequisites: MLFR3002 - ADVANCED FRENCH LANGUAGE & CULTURE II

MLIT1001
ELEMENTARY ITALIAN I
Credits (Min/Max): 4/4

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.

MLIT1002
ELEMENTARY ITALIAN II
Credits (Min/Max): 4/4

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.

PreRequisites: MLIT1001 - ELEMENTARY ITALIAN I

MLIT2001
INTERMEDIATE ITALIAN I
Credits (Min/Max): 3/3

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.

PreRequisites: MLIT1002 - ELEMENTARY ITALIAN II

MLSP1001
ELEMENTARY SPANISH I
Credits (Min/Max): 4/4

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.

MLSP1002
ELEMENTARY SPANISH II
Credits (Min/Max): 4/4

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.

PreRequisites: MLSP1001 - ELEMENTARY SPANISH I

MLSP2001
INTERMEDIATE SPANISH I
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP1002 - ELEMENTARY SPANISH II

MLSP2002
INTERMEDIATE SPANISH II
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP2001 - INTERMEDIATE SPANISH I

MLSP3001
ADVANCED SPANISH LANGUAGE AND CULTURE I
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP2002 - INTERMEDIATE SPANISH II

MLSP3002
ADVANCED SPANISH LANGUAGE AND CULTURE II
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP3001 - ADVANCED SPANISH LANGUAGE & CULTURE I

MLSP3005
ADVANCED SPANISH GRAMMAR AND COMPOSITION
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP3002 - ADVANCED SPANISH LANGUAGE & CULTURE II

MLSP3010
ADVANCED SPANISH CONVERSATION
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP3002 - ADVANCED SPANISH LANGUAGE & CULTURE II

MLSP3015
APPLIED HISPANIC LINGUISTICS (SPAE3015)
Credits (Min/Max): 3/3

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

PreRequisites: MLSP3005 - ADVANCED SPANISH GRAMMAR & COMPOSITION

MLSP3020
SPANISH CULTURE
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP2002 - INTERMEDIATE SPANISH II

MLSP3025
LATIN AMERICAN CULTURE
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP3002 - ADVANCED SPANISH LANGUAGE & CULTURE II

MLSP3030
SURVEY OF SPANISH LITERATURE
Credits (Min/Max): 3/3

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.

PreRequisites: MLSP3005 - ADVANCED SPANISH GRAMMAR & COMPOSITION

MLSP3040
SURVEY OF LATIN AMERICAN LIT
Credits (Min/Max): 3/3

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.

MRKT2007
ADVERTISING AND PUBLIC RELATIONS (ADMG2007)
Credits (Min/Max): 3/3

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*

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT2021
MARKETING MANAGEMENT (ADMG2021)
Credits (Min/Max): 3/3

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*

MRKT3012
BUYER BEHAVIOR
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT3016
PERSONAL SELLING
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT3031
SPORTS AND ENTERTAINMENT MARKETING
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT3033
MARKETING RESEARCH
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT3049
INT'L MKT AND EXPORT MGMT (INMT3049)
Credits (Min/Max): 3/3

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*

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT3050
INTERNET MARKETING
Credits (Min/Max): 3/3

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?

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT4001
MARKETING FOR NONPROFITS
Credits (Min/Max): 3/3

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

PreRequisites: MRKT3012 - BUYER BEHAVIOR

MRKT4014
MARKETING STRATEGY
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT4016
BRAND MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT4018
SERVICES MARKETING
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT4019
SPORTS AND ENTERTAINMENT MANAGEMENT (ADMG4019)
Credits (Min/Max): 3/3

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 practices, law and governance, facilities and venues, marketing, ethical applications, broadcasting, sales, event management, agency, advertising, sponsorship, international entertainment will be addressed. Cross-listed with ADMG4019

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT4031
CONTEMPORARY CONCEPTS IN MARKETING
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT4035
RETAIL MARKETING AND MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: ADMG2021 - MARKETING MANAGEMENT(MRKT2021)

MRKT4046
SALES MANAGEMENT
Credits (Min/Max): 3/3

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.

PreRequisites: MRKT3016 - PERSONAL SELLING

MRKT4051
INTERNSHIP I - MARKETING
Credits (Min/Max): 1/6

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.

NSCI1001
THE NATURAL SCIENCES (SLSC)
Credits (Min/Max): 3/3

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)

NSCI1005
DRUGS AND THE HUMAN BODY
Credits (Min/Max): 3/3

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.

NSCI1010
SCIENCE OF NUTRITION I
Credits (Min/Max): 3/3

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.

NSCI1025
NORMAL AND CLINICAL NUTRITION
Credits (Min/Max): 3/3

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.

NSCI2005
DANCE KINESIOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: BIOL1002 - INTRO TO THE HUMAN BODY:SYSTEMS THAT MOVE YOU

NSCS2011
INTELLIGENCE ANALYSIS AND PRESENTATION TECHNIQUES (CRIM2011)
Credits (Min/Max): 3/3

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

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

NSCS3010
BUSINESS INTELLIGENCE
Credits (Min/Max): 3/3

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.

PreRequisites: ENGL1012 - COLLEGE WRITING II

NSCS3011
RESEARCH METHODS FOR ANALYSTS
Credits (Min/Max): 3/3

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.

PreRequisites: NSCS3010 - BUSINESS INTELLIGENCE

NSCS4005
SENIOR SEMINAR - NSS
Credits (Min/Max): 3/3

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.

NSCS4012
EMERGENCY PREPAREDNESS AND CRISIS MANAGEMENT (CRIM4012)
Credits (Min/Max): 3/3

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

NURG5002
RESEARCH AND EVIDENCE BASED PRACTICE
Credits (Min/Max): 3/3

This course is designed to provide the student with knowledge about the interaction of theory and research for the acquisitition of knowledge and for advanced nursing practice. It focuses on the value of scientific evidence and nursing as a discipline as the basis for providing quality care and improving nursing practice. The student will develop an understanding of the research process, acquire the knowledge and skills needed to critically evaluate nursing reasearch and evidence-based practice. The interrelationship of theory and research will be explored, and extant therories that guide nursing practice will be examined.

NURG5004
THEORY AND PROFESSIONAL NURSING PRACTICE
Credits (Min/Max): 3/3

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.

NURG5006
HEALTHCARE DELIVERY SYSTEMS
Credits (Min/Max): 3/3

This course focuses on three main areas of the healthcare delivery system: healthcare economics (payers, providers, consumers, value based purchasing), health informatics (management of health data to improve aspects of health outcomes such as cost, quality, safety and satisfaction), and quality care and patient outcomes (as defined by various agencies and regulatory bodies such as NDNQI, AHRQ, CSM and private payers). The synthesis of these three important concepts will provide a foundation for the advanced practice nurse to make clinical decisions and to improve patient care and outcomes.

NURG5007
COMPREHENSIVE PHARMACOLOGY
Credits (Min/Max): 3/3

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.

NURG5008
ROLE DEVELOPMENT FOR NURSING MANAGEMENT AND EXECUTIVE LEADERSHIP
Credits (Min/Max): 3/3

This course is designed to introduce the student to contemporary leadership theories with a focus on transformational leadership. Theories that impact nursing administrators such as change, complexity science, and complex adaptive systems, are explored. Key concepts presented in this course include emotional intelligence, evidenced based management practice, strategic planning and visioning, evidence based innovation, and the American Organization of Nurse Executive's (AONE) competencies. These theories and concepts provide the student an opportunity to reflect on their own leadership strengths and weaknesses and create a professional leadership development plan which will guide their progress throughout this program.

NURG5009
COMPREHENSIVE PATHOPHYSIOLOGY
Credits (Min/Max): 3/3

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.

NURG5010
FINANCIAL RESOURCE MANAGEMENT
Credits (Min/Max): 3/3

This course is designed to provide the student with an overview of the environment and financing of the health care system. Complex health care systems and their impact on the financial picture of the organization is explored. Students develop the knowledge and skills necessary for effective participation in financial management related to strategic planning including program budget planning and development as it relates to traditional and non-traditional health care systems.

NURG5011
EDUCATIONAL STRATEGIES IN NURSING EDUCATION AND PRACTICE
Credits (Min/Max): 3/3

This course is designed to prepare the student to facilitate learning in classrooms, clinical environments, and healthcare facilities. Students explore educational theories, principles, and evidence-based practices and their application to the learning process. Various teaching strategies appropriate to the learner, learning outcomes, content, and educational setting are explored. Technologies used to support the teaching-learning process will be examined.

NURG5012
HEALTH POLICY AND GLOBAL CONSIDERATIONS
Credits (Min/Max): 3/3

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.

NURG5013
ROLE DEVELOPMENT OF THE NURSE ADMINISTRATOR AND NURSE EDUCATOR
Credits (Min/Max): 2/2

This course is designed to assist the student in defining and developing the advanced practice role of nurse educator or nurse administrator. The student will explore the core competencies of the roles of nurse educator or nurse administrator as these are enacted within the context of traditional and nontraditional health care and educational systems. From a theoretical perspective or role development, the student will begin to synthesize a personal framework for practice within the selected role.

NURG5014
NURSING ADMINISTRATION: SEMINAR AND PRACTICUM I
Credits (Min/Max): 3/3

This course provides an opportunity for students to apply leadership and management concepts in a healthcare delivery environment through collaboration and guidance of a nursing administrator. The course emphasizes opportunities to analyze concepts of organizational culture, leadership/management skill sets, and competencies needed to implement and sustain change on organizations. This course examines the evaluation of organizational outcomes, strategic planning, goal setting in organizations, and allocation of financial resources; as well as use of computer technology in healthcare systems and in nursing administration. This course requires 60 practicum hours and 30 seminar hours.

PreRequisites: HRMT5020 - ORGANIZATIONAL BEHAVIOR

NURG5015
CURRICULUM DEVELOPMENT AND EVALUATION
Credits (Min/Max): 3/3

This course provides the student with the opportunity to explore the process of curriculum development that reflects regulatory and accreditation standards and guidelines through student examination of nursing, societal, and health care trends, educational theory, research, and technology. Students explore the role of faculty in evaluation and revision of curriculum based on learner needs, societal and health care trends and feedback from learners, agency personnel and accrediting agencies. This course addresses the application of leadership, change, communication theories, evidence-based and best practice.

NURG5016
MANAGING QUALITY AND SAFETY IN PRACTICE
Credits (Min/Max): 3/3

This course explores the nursing administrator's role in managing risk and quality of patient care and outcomes. A variety of quality standards, guidelines, and benchmarks are examined. The nature and analysis of sentinel events incorporating risk management and the process of continuous quality improvement in healthcare are explored utilizing an evidence based approach. An overview of quality improvement models and the tools necessary for participation in healthcare quality initiatives are provided. Strategies to create a culture of quality and safety are emphasized.

NURG5017
COMPREHENSIVE HEALTH ASSESSMENT
Credits (Min/Max): 3/3

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.

NURG5018
CREATING A PROFESSIONAL WORK ENVIRONMENT
Credits (Min/Max): 3/3

This course will assist the student in developing leadership knowledge and skills necessary to create a professional work environment. Current theories, standards and regulations regarding healthy work environments will be explored. Key topics include organizational culture, structural empowerment, Magnet tenets, staffing, and effective care delivery models. Human resource management principles such as selection, performance appraisal, and workplace violence and incivility are studied within the framework of creating an environment of professional practice.

NURG5019
ASSESSMENT AND EVALUATION OF LEARNERS
Credits (Min/Max): 3/3

This course is designed to introduce the student to processes of assessment, measurement and evaluation for the classroom and clinical setting. Test planning, construction, and use of a variety of types of test items, item analysis for test improvement, methods of summarizing test scores, derived scores for interpretation of performance, development and use of norms in evaluation are explored. In addition, assessment, measurement and evaluation of learners in an on campus and distance learning setting are presented. The importance of timely, constructive formative evaluation of learners is emphasized as is the importance of constructive self and peer evaluation.

NURG5021
NURSING EDUCATION PRACTICUM
Credits (Min/Max): 4/4

This course focuses on the synthesis of knowledge and skills from prior graduate courses in a nursing education or clinical setting. A nurse educator with knowledge and experience in the educator role mentors the student. Students engage in reflection of experiences with peers and faculty weekly and implement a practicum project. This course requires 120 hours in a practicum setting.

PreRequisites: NURG5002 - RESEARCH & EVIDENCE BASED PRACTICE

NURG5022
NURSING ADMINISTRATION: SEMINAR AND PRACTICUM II
Credits (Min/Max): 3/3

This course focuses on the synthesis of knowledge, skills and critical systems thinking developed through the core content courses of the nursing administration program. Within the practicum experience, students enact leadership roles to expand, enhance, and optimize positive outcomes at the micro or macro- system level. The course requires 60 practicum hours and 30 hours of seminar.

PreRequisites: HRMT5020 - ORGANIZATIONAL BEHAVIOR

NURG5023
FOUNDATIONS FOR CLINICAL NURSE LEADER ROLE
Credits (Min/Max): 4/4

As the first of the Clinical Nurse Leader (CNL) specialization courses, this course provides the student with foundational knowledge of the CNL role and core competencies. Principles of population health management are applied to cohorts of patients, while simultaneously addressing individual needs. This course requires 30 hours in the practicum setting.

PreRequisites: NURG5002 - RESEARCH & EVIDENCE BASED PRACTICE

NURG5025
CLINICAL NURSE LEADER PRACTICUM I
Credits (Min/Max): 5/5

This course provides the student the opportunity to apply theory in a practicum setting. Faculty and preceptor(s) provide guidance to the student for Clinical Nurse Leader (CNL) role identification through experiences within a healthcare setting, where concepts from Foundations of the CNL Role are integrated in real-world opportunities. This course requires 150 hours in a practicum setting.

PreRequisites: NURG5002 - RESEARCH & EVIDENCE BASED PRACTICE

NURG5027
ROLE OF THE CLINICAL NURSE LEADER IN HEALTHCARE MICROSYSTEMS
Credits (Min/Max): 4/4

This course provides a comprehensive analysis of the Clinical Nurse Leader (CNL) as the advanced generalist within the healthcare microsystem. The course focuses on integration of the Clinical Nurse Leader competencies. Application of evidence-based practice and effective management of quality data to optimize outcomes will be discussed. This course requires 45 hours in a practicum setting.

PreRequisites: NURG5023 - FOUNDATIONS FOR CLINICAL NURSE LEADER ROLE

NURG5033
NURSING INFORMATICS IN NURSING ADMINISTRATION AND NURSING ED
Credits (Min/Max): 3/3

This course is designed to provide the student with concepts of healthcare and nursing informatics for the nurse administrator and nurse educator integrating nursing science with computer technology and information science to identify, gather, process, and manage information. Current technology based health applications which support clinical, administrative, research, and educational processes and decision making will be emphasized. Trends and issues in using, designing, and managing health care information systems will be included as well as ethical and legal principles as they apply to health care information systems. Identifying and using appropriate technology for the task or project will also be discussed.

NURG6000
CAPSTONE SCHOLARLY EXPERIENCE
Credits (Min/Max): 3/3

This second research course is designed to provide the student with the opportunity to apply theoretical concepts and skills from the research methodology course and graduate nursing courses to the development of a capstone research experience. The student is guided in the preparation of a project specific to a phenomena related to nursing practice in the area of graduate study. Emphasis is placed on responsible participation in scientific inquiry and on adherence to principles of ethical research.

PreRequisites: NURG5002 - RESEARCH & EVIDENCE BASED PRACTICE

NURN5004
THEORY AND PROFESSIONAL NURSING PRACTICE
Credits (Min/Max): 3/3

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.

NURN5007
COMPREHENSIVE PHARMACOLOGY
Credits (Min/Max): 3/3

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.

NURN5009
COMPREHENSIVE PATHOPHYSIOLOGY
Credits (Min/Max): 3/3

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.

NURN5012
HEALTH POLICY AND GLOBAL CONSIDERATIONS
Credits (Min/Max): 3/3

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.

NURN5017
COMPREHENSIVE HEALTH ASSESSMENT
Credits (Min/Max): 3/3

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.

NURN5101
PROFESSIONAL NURSING PRACTICE: ESSENTIALS
Credits (Min/Max): 3/3

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.

NURN5103
PROFESSIONAL NURSING PRACTICE: FUNDAMENTALS
Credits (Min/Max): 5/5

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.

NURN5105
ESSENTIALS OF PHARMACOLOGY
Credits (Min/Max): 4/4

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.

NURN5107
INQUIRY AND EVIDENCE IN PROFESSIONAL NURSING PRACTICE
Credits (Min/Max): 3/3

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.

NURN5109
PROFESSIONAL NURSING PRACTICE: ADULT I
Credits (Min/Max): 6/6

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.

NURN5111
SPECIAL CONSIDERATION IN THE CARE OF THE OLDER ADULT
Credits (Min/Max): 3/3

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.

NURN5113
PUBLIC HEALTH AND EPIDEMIOLOGY
Credits (Min/Max): 3/3

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.

NURN5115
QUALITY IMPROVEMENT AND SAFETY IN HEALTHCARE
Credits (Min/Max): 3/3

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.

NURN5117
PROFESSIONAL NURSING PRACTICE: ADULT II
Credits (Min/Max): 5/5

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.

NURN5119
PROFESSION NURSING PRACTICE: MENTAL HEALTH
Credits (Min/Max): 5/5

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.

NURN5121
RESEARCH METHODS
Credits (Min/Max): 3/3

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.

NURN5123
PROFESSIONAL NURSING PRACTICE: ADULT III
Credits (Min/Max): 5/5

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.

NURN5125
PROFESSIONAL NURSING PRACTICE: WOMEN AND CHILDREN
Credits (Min/Max): 5/5

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.

NURN5127
HEALTH PROMOTION ACROSS THE LIFESPAN
Credits (Min/Max): 3/3

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.

NURN5129
PROFESSIONAL NURSING PRACTICE: COMPREHENSIVE NURSING PRACTICUM
Credits (Min/Max): 3/3

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.

NURN5131
NURSING LEADERSHIP
Credits (Min/Max): 3/3

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.

NURU1000
INTRODUCTION TO NURSING
Credits (Min/Max): 3/3

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.

NURU1005
FOUNDATIONS OF CLINICAL NURSING
Credits (Min/Max): 4/4

This course provides the students with fundamental knowledge and skills necessary for the safe provision of care for patients with in the context of the nursing process. The course introduces practices of safety, infection prevention, physical assessment, and basic nursing skills in a patient-centered environment. Students are provided the opportunity to apply theoretical knowledge in both the classroom laboratory and clinical setting. The 90-hour clinical experience is structured to provide students the opportunity to practice foundational nursing knowledge, skills, and critical thinking in the clinical setting.

NURU1005C
FOUNDATIONS OF CLINICAL NURSING- CLINICAL
Credits (Min/Max): 0/0

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.

NURU2000
MEDICAL SURGICAL NURSING OF THE ADULT I
Credits (Min/Max): 6/6

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.

PreRequisites: NURU1000 - INTRODUCTION TO NURSING

NURU2000C
MEDICAL SURGICAL NURSING OF THE ADULT I - CLINICAL
Credits (Min/Max): 0/0

Clinical for Medical Surgical Nursing

NURU2000L
MEDICAL SURGICAL NURSING OF THE ADULT I - LAB
Credits (Min/Max): 0/0

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.

NURU2005
LPN to RN TRANSITION COURSE
Credits (Min/Max): 3/3

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.

NURU2010
MENTAL HEALTH NURSING
Credits (Min/Max): 4/4

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.

PreRequisites: NURU2000 - MEDICAL SURGICAL NURSING OF THE ADULT I

NURU2010C
MENTAL HEALTH NURSING - CLINICAL
Credits (Min/Max): 0/0

Clinical for Mental Health Nursing

NURU2012
CHILDBEARING & WOMEN'S HEALTH NURSING
Credits (Min/Max): 4/4

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.

PreRequisites: NURU2010 - MENTAL HEALTH NURSING

NURU2012C
CHILDBEARING AND WOMEN'S HEALTH NURSING - CLINICAL
Credits (Min/Max): 0/0

Clinical for Childbearing & Women's Health Nursing

NURU2015
NURSING OF CHILDREN
Credits (Min/Max): 4/4

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.

PreRequisites: NURU2010 - MENTAL HEALTH NURSING

NURU2015C
NURSING OF CHILDREN - CLINICAL
Credits (Min/Max): 0/0

Clinical for Nursing of Children

NURU2020
PHARMACOLOGY FOR NURSING PRACTICE
Credits (Min/Max): 3/3

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.

PreRequisites: NURU1000 - INTRODUCTION TO NURSING

NURU2027
A COGNITIVE APPROACH TO CLINICAL REASONING IN NURSING
Credits (Min/Max): 3/3

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.

PreRequisites: NURU2012 - CHILDBEARING & WOMEN'S HEALTH NURSING

NURU2030
TRANSITION FROM STUDENT TO GRADUATE
Credits (Min/Max): 3/3

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.

PreRequisites: NURU2012 - CHILDBEARING & WOMEN'S HEALTH NURSING

NURU2035
MEDICAL SURGICAL NURSING OF THE ADULT III
Credits (Min/Max): 4/4

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.

NURU2121
MEDICAL SURGICAL NURSING OF THE ADULT II
Credits (Min/Max): 4/4

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.

PreRequisites: NURU2010 - MENTAL HEALTH NURSING

NURU3021
LEADERSHIP IN NURSING PRACTICE
Credits (Min/Max): 3/3

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.

NURU3023
EVIDENCE BASED PRACTICE AND NURSING RESEARCH
Credits (Min/Max): 3/3

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.

NURU3028
HEALTH CARE FOR OLDER ADULTS
Credits (Min/Max): 3/3

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.

NURU3030
HEALTH PROMOTION IN NURSING PRACTICE
Credits (Min/Max): 3/3

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.

NURU3035
QUALITY AND SAFETY IN HEALTHCARE AND NURSING PRACTICE
Credits (Min/Max): 3/3

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.

NURU3036
INTRO TO HEALTH POLICY
Credits (Min/Max): 3/3

This course is designed to provide the student an overview of the context ofhealth 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.

NURU4012
INTRO TO NURSING INFORMATICS
Credits (Min/Max): 3/3

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.

NURU4020
CURRENT ISSUES IN NURSING
Credits (Min/Max): 3/3

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.

NURU4021
COMMUNITY NURSING
Credits (Min/Max): 3/3

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.

NURU4024
ALTERNATIVE AND COMPLEMENTARY THERAPIES IN NURSING (HEALING IN NURSING PRACTICE)
Credits (Min/Max): 3/3

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.

NURU4026
ETHICAL AND LEGAL ASPECTS IN PROFESSIONAL NURSING PRACTICE
Credits (Min/Max): 3/3

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.

NURU4027
HEALTH CARE FOR WOMEN
Credits (Min/Max): 3/3

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.

NURU4030
SCHOOL NURSE: CHILD HEALTH IN AN INCLUSIVE SETTING
Credits (Min/Max): 4/4

The course is designed to guide students in coming to understand the scope and responsibilities of the school nurse in assessing, planning, implementing and evaluating school health for children K-12. The role of the school nurse in meeting the health care needs of all children, including healthy children, special needs children, children from different cultures, and children with ELL needs will be a primary focus. Emphasis is on health promotion and maintenance at all levels of a child's development. The unique role of the school nurse in caring for children as well as collaborating with parents will emphasized. Students will utilize evidence-based nursing practice as a basis for nursing care and school personnel.
The course includes a 100 hour practicum under the guidance of a certified school nurse.

PreRequisites: EDSP3015 - INTRO TO LOW INCIDENCE DISABILITIES

NURU4032
PALLIATIVE AND END-OF-LIFE NURSING CARE
Credits (Min/Max): 3/3

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.

NURU4035
STRUCTURES INFLUENCING THE FAMILY/NURSE/PHYSICIAN RELATION
Credits (Min/Max): 3/3

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.

NURU4037
HEALTH CARE FOR MEN
Credits (Min/Max): 3/3

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.

NURU4040
FOUNDATIONS OF FORENSIC NURSING
Credits (Min/Max): 4/4

This course is designed to provide the student with the opportunity to explore the unique roles and responsibilities of the forensic nurse in the care of individuals, families, and communities whose status or care is determined by legal or forensic issues. The scientific investigation, including evidence collection and preservation, medical testimony in the court system, and consultation with legal authorities, will be explored from the perspective of the forensic nurse. Knowledge and skills of forensic nursing will be explored through didactic course work and through a 30 hour practicum experience.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

NURU4050
SPECIAL TOPICS: IN NURSING
Credits (Min/Max): 2/2

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.

PART1000
FR PERFORMANCE
Credits (Min/Max): 1/1

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.

PART1001
MUSIC APPRECIATION I (SLAE)
Credits (Min/Max): 3/3

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)

PART1002
MUSIC APPRECIATION II (SLAE)
Credits (Min/Max): 3/3

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)

PART1004
FR BALLET TECHNIQUE
Credits (Min/Max): 3/3

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.

PART1005
FR CONTEMPORARY/MODERN
Credits (Min/Max): 3/3

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.

PART1009
FR POINTE/PAS DE DEUX
Credits (Min/Max): 1/1

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.

PART1012
FR VARIATIONS/REPERTOIRE
Credits (Min/Max): 1/1

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.

PART1020
FR MEN'S DANCE TECHNIQUE
Credits (Min/Max): 1/1

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.

PART1022
FUNDAMENTALS OF MUSIC I (SLAE)
Credits (Min/Max): 3/3

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)

PART1023
CHORUS
Credits (Min/Max): 1/1

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.

PART1024
INDIVIDUAL INSTRUCTION - VOICE
Credits (Min/Max): 1/1

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.

PART1025
INDIVIDUAL INSTRUCT - INSTRUMENT
Credits (Min/Max): 1/1

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.

PART1045
HISTORY OF ROCK AND ROLL (SLAE)
Credits (Min/Max): 3/3

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)

PART1050
JAZZ/HIP HOP-DANCE ELECTIVE
Credits (Min/Max): 1/1

This is a one-hour course in the techniques of hip-hop dance.

PART1055
HISTORY OF MUSICAL THEATER
Credits (Min/Max): 3/3

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)

PART2001
SO PERFORMANCE
Credits (Min/Max): 1/1

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.

PART2004
SO BALLET TECHNIQUE
Credits (Min/Max): 3/3

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.

PART2005
SO CONTEMPORARY/MODERN
Credits (Min/Max): 3/3

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.

PART2009
SO POINTE/PAS DE DEUX
Credits (Min/Max): 1/1

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.

PART2010
DANCE HISTORY I
Credits (Min/Max): 3/3

Overview of the development of dance in the western world, within the context of the historical, practical, theoretical, and cultural.

PART2012
SO VARIATIONS/REPERTOIRE
Credits (Min/Max): 1/1

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.

PART2015
DANCE HISTORY II
Credits (Min/Max): 3/3

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.

PART2020
SO MEN'S DANCE TECHNIQUE
Credits (Min/Max): 1/1

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.

PART3000
JR PERFORMANCE
Credits (Min/Max): 1/1

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.

PART3002
MUSICAL THEATRE PRODUCTION I
Credits (Min/Max): 3/3

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.

PART3003
MUSICAL THEATRE PRODUCION II
Credits (Min/Max): 3/3

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.

PART3004
JR BALLET TECHNIQUES
Credits (Min/Max): 3/3

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.

PART3005
JR CONTEMPORARY/MODERN
Credits (Min/Max): 3/3

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.

PART3009
JR POINTE/PAS DE DEUX
Credits (Min/Max): 1/1

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.

PART3012
JR VARIATIONS/REPERTOIRE
Credits (Min/Max): 1/1

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.

PART3015
DANCE PEDAGOGY I
Credits (Min/Max): 3/3

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.

PART3020
JR MEN'S DANCE TECH
Credits (Min/Max): 1/1

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.

PART3030
DANCE COMPOSITION I
Credits (Min/Max): 3/3

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.

PART3050
SPECIAL TOPICS - TAP
Credits (Min/Max): 1/1

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.

PART4000
SR PERFORMANCE
Credits (Min/Max): 1/1

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.

PART4004
SR BALLET TECHNIQUES
Credits (Min/Max): 3/3

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.

PART4005
SR CONTEMPORARY/MODERN
Credits (Min/Max): 3/3

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.

PART4009
SR POINTE/PAS DE DEUX
Credits (Min/Max): 1/1

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.

PART4012
SR VARIATIONS/REPERTOIRE
Credits (Min/Max): 1/1

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.

PART4020
SR MEN'S DANCE TECH
Credits (Min/Max): 1/1

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.

PART4030
DANCE COMPOSITION II
Credits (Min/Max): 3/3

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.

PART4051
INTERNSHIP I - PERFORMING ARTS
Credits (Min/Max): 1/6

The internship gives students an opportunity to study dance in a professional setting.

PART4055
SENIOR SEMINAR IN PER ARTS/DANCE
Credits (Min/Max): 3/3

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.

PHIL1018
UNDERSTANDINGS OF THE HUMAN PERSON (SLRS)
Credits (Min/Max): 3/3

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)

PHIL1020
LOGIC
Credits (Min/Max): 3/3

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.

PHIL1021
INTRO TO PHILOSOPHY (SLRS)
Credits (Min/Max): 3/3

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)

PHIL2026
ETHICS (SLRS)
Credits (Min/Max): 3/3

A survey of historical and contemporary responses to significant moral problems encountered in the Christian life. Topics include conscience, racism, peace and war, ecology, population control, economic justice and capital punishment. (SLRS)

PHIL3027
BIOMEDICAL ETHICS
Credits (Min/Max): 3/3

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.

PHYS1006
INTRO TO PHYSICAL SCIENCE - MOTION, MATTER AND MIND (SLSC)
Credits (Min/Max): 3/3

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)

PHYS1010
PHYSICS FOR HEALTH SCIENCE
Credits (Min/Max): 3/3

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.

PreRequisites:

PHYS1010L
PHYSICS FOR HEALTH SCIENCE - LAB
Credits (Min/Max): 1/1

Laboratory for PHYS1010 Physics for Health Science

PHYS1032
GENERAL PHYSICS I
Credits (Min/Max): 3/3

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.

PreRequisites: MATH1032 - ANALYTIC GEOMETRY & CALCULUS I

PHYS1032L
GENERAL PHYSICS I - LAB
Credits (Min/Max): 1/1

Laboratory for PHYS1032 General Physics I

PreRequisites: MATH1032 - ANALYTIC GEOMETRY & CALCULUS I

PHYS1033
GENERAL PHYSICS II
Credits (Min/Max): 3/3

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.

PreRequisites: PHYS1032 - GENERAL PHYSICS I

PHYS1033L
GENERAL PHYSICS II - LAB
Credits (Min/Max): 1/1

Laboratory for PHYS1033 General Physics II

PHYS2030
GENERAL PHYSICS III
Credits (Min/Max): 3/3

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.

PreRequisites: PHYS1033 - GENERAL PHYSICS II

PHYS2030L
GENERAL PHYSICS III - LAB
Credits (Min/Max): 1/1

Laboratory for PHYS2030 General Physics III

PreRequisites: PHYS1033L - GENERAL PHYSICS II-LAB

PHYS2080
ANALOG ELECTRONICS
Credits (Min/Max): 3/3

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.

PHYS2080L
ANALOG ELECTRONICS - LAB
Credits (Min/Max): 0/0

Lab for PHYS2080 Analog Electronics

PHYS3075
COMPUTATIONAL PHYSICS
Credits (Min/Max): 3/3

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.

PHYS3080
DIGITAL ELECTRONICS
Credits (Min/Max): 3/3

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.

PHYS3080L
DIGITAL ELECTRONICS - LAB
Credits (Min/Max): 0/0

Lab for PHYS3080 Digital Electronics

PHYS3082
ELECTRONICS COMMUNICATION
Credits (Min/Max): 3/3

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.

PHYS3082L
ELECTRONIC COMMUNICATION -LAB
Credits (Min/Max): 0/0

Lab for PHYS3082 Electronic Communication

PHYS4075
PHYSICS OF INFORMATION THEORY
Credits (Min/Max): 3/3

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.

PHYS4080
INSTRUMENTAL PHYSICS
Credits (Min/Max): 3/3

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.

POLI1003
UNDERSTANDING THE U.S. CONSTITUTION (CRIM1003)
Credits (Min/Max): 3/3

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. Cross-listed with CRIM1003

PreRequisites: ENGL1011 - COLLEGE WRITING I

POLI1022
AMERICAN GOVERNMENT
Credits (Min/Max): 3/3

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.

POLI2001
GLOBAL POLITICS (INST2001)
Credits (Min/Max): 3/3

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

POLI2002
MULTICULTURAL HISTORY OF THE U.S. (SLHS)
Credits (Min/Max): 3/3

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

POLI2025
SPECIAL TOPICS IN POLITICAL SCIENCE:
Credits (Min/Max): 3/3

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.

POLI2045
ISLAM IN THE WORLD (HIST/SOCL2045)
Credits (Min/Max): 3/3

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

POLI2075
PUBLIC POLICY
Credits (Min/Max): 3/3

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.

POLI3002
HISTORY OF EUROPEAN DIPLOMACY (HIST3002)
Credits (Min/Max): 3/3

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

POLI3005
CONSTITUTIONAL LAW (CRIM3005)
Credits (Min/Max): 3/3

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. Cross-listed with CRIM3005.(Previously POLI2005)

PreRequisites: CRIM1003 - UNDERSTANDING THE U.S. CONSTITUTION

POLI3011
RESEARCH METHODS
Credits (Min/Max): 3/3

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.

POLI3015
HISTORY/POLITICAL THOUGHT (HIST3015)
Credits (Min/Max): 3/3

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.

POLI3019
HISTORY AND POLITICS OF AFRICA
Credits (Min/Max): 3/3

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.

POLI3021
COMPARATIVE GOVERNMENT (INST3021)
Credits (Min/Max): 3/3

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

POLI3023
MODERN U.S. DIPLOMATIC HISTORY (HIST/INST3023)
Credits (Min/Max): 3/3

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

POLI3025
DEVELOPMENT: POLITICAL, SOCIAL AND ECONOMIC ISSUES (INST3025)
Credits (Min/Max): 3/3

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

POLI3030
COMPARING DEMOCRACIES
Credits (Min/Max): 3/3

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.

POLI3032
COMPARATIVE PUBLIC POLICY
Credits (Min/Max): 3/3

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.

POLI3033
AMERICAN FOREIGN POLICY (INST3033)
Credits (Min/Max): 3/3

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

POLI3035
HISTORY AND POLITICS OF FRANCE (HIST3035)
Credits (Min/Max): 3/3

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.

POLI3036
HIST OF AMERICAN VALUES, BELIEFS (HIST3036)
Credits (Min/Max): 3/3

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

POLI3037
THE AMERICAN PRESIDENCY
Credits (Min/Max): 3/3

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.

POLI3038
HISTORY OF BLACK AMERICANS (HIST3038)
Credits (Min/Max): 3/3

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

POLI3039
POLITICS AND SOCIETY (SOCL3039)
Credits (Min/Max): 3/3

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

POLI3040
ETHNIC CONFLICT (SOCL3040)
Credits (Min/Max): 3/3

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*

POLI3041
TERRORISM IN THE MODERN AGE
Credits (Min/Max): 3/3

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.

POLI3042
THE CIVIL WAR (HIST3042)
Credits (Min/Max): 3/3

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.

POLI3045
HISTORY AND POLITICS OF MID EAST (HIST3045)
Credits (Min/Max): 3/3

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

POLI3047
JEWISH HISTORY AND POLITICS (HIST3047)
Credits (Min/Max): 3/3

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

POLI3050
POLITICS OF WEAK STATES
Credits (Min/Max): 3/3

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.

POLI3051
DEVELOPMENT IN SOUTHEAST ASIA (HIST/SOCL3051)
Credits (Min/Max): 3/3

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

POLI3052
EXPERIENCE OF MODERN WAR (HIST3052)
Credits (Min/Max): 3/3

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*

POLI3053
PEASANT POLITICS (HIST3053)
Credits (Min/Max): 3/3

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

POLI3055
TODAY'S GLOBAL WARS
Credits (Min/Max): 3/3

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.

POLI3060
NATIVE AMERICAN POLITICS
Credits (Min/Max): 3/3

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.

POLI3065
WORLD WAR II (HIST3065)
Credits (Min/Max): 3/3

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

POLI3070
THE IDEA OF FREEDOM
Credits (Min/Max): 3/3

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.

POLI3072
DEMOCRATIC SOCIALISM (HIST3072)
Credits (Min/Max): 3/3

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

POLI3075
HISTORY OF IRELAND AND SCOTLAND (HIST3075)
Credits (Min/Max): 3/3

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

POLI3080
HISTORY OF IRELAND AND SCOTLAND (HIST3080)
Credits (Min/Max): 3/3

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 HIST3080

POLI3082
SOCIAL MOVEMENT AND RESISTANCE (SOCL3082)
Credits (Min/Max): 3/3

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

POLI3085
MARXIST POLITICAL THOUGHT (HIST3085)
Credits (Min/Max): 3/3

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.

POLI4000C
HISTORY AND POLITICS OF ITALY
Credits (Min/Max): 3/3

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.

POLI4055
SENIOR SEMINAR - POLITICAL SCIENCE
Credits (Min/Max): 3/3

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.

PSED1003
INTRO TO SPORTS: CONDITIONING I
Credits (Min/Max): 1/1

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.

PSED1004
INTRO TO SPORTS: CONDITIONING II
Credits (Min/Max): 2/2

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.

PSED1005
INTRO TO SPORTS: WEIGHT TRAINING
Credits (Min/Max): 1/1

To develop a general understanding of overall strength training, techniques, and theories.

PSED1005E
INTRO TO SPORTS: TENNIS
Credits (Min/Max): 1/1

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.

PSED1005K
AEROBIC DANCE
Credits (Min/Max): 1/1

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.

PSED1005M
SOFTBALL
Credits (Min/Max): 1/1

This course is designed to introduce the student to the basic skills of softball.

PSED1007
ACADEMIC ORIENTATION FOR VARSITY ATHLETES
Credits (Min/Max): 3/3

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.

PSED1008
INTRO TO FITNESS/SPORTS: PILATES
Credits (Min/Max): 1/1

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.

PSED1009
MEDITATION
Credits (Min/Max): 1/1

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.

PSED1011
INTRO TO FITNESS/SPORTS: TURBO KICK
Credits (Min/Max): 1/1

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.

PSED1014
INTRO TO FITNESS/SPORTS: YOGA
Credits (Min/Max): 1/1

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.

PSED1016
INTRO TO FITNESS/SPORTS: HIGH INTENSITY INTERVAL TRAINING
Credits (Min/Max): 1/1

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.

PSED1018
INTRO TO FITNESS/SPORTS: DISTANCE TRAINING
Credits (Min/Max): 1/1

An introductory course to promote fitness and healthy living by introducing students to running and distance training.

PSED1020
INTRO TO FITNESS/SPORTS: KICKBOXING
Credits (Min/Max): 1/1

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.

PSED1022
INTRO TO FITNESS/SPORTS: CARDIO CORE
Credits (Min/Max): 1/1

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.

PSYC1001
WELLNESS AND RESILIENCE FOR COLLEGE AND BEYOND
Credits (Min/Max): 3/3

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.

PSYC1021
INTRO TO PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PSYC1021H
INTRO TO PSYCHOLOGY - HONORS
Credits (Min/Max): 3/3

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".

PSYC2010
CAREER AND PROFESSIONAL DEVELOPMENT
Credits (Min/Max): 3/3

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

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC2015
HEALTH PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC2018
HUMAN SEXUALITY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC2022
CHILD DEVELOPMENT
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC2036
PSYCHOLOGY AND HUMOR
Credits (Min/Max): 3/3

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.

PSYC2040
ADOLESCENT DEVELOPMENT
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC2050
SPECIAL TOPICS IN PSYCHOLOGY:
Credits (Min/Max): 3/3

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.

PSYC2061
EDUCATIONAL PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC2065
FORENSIC PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3011
RESEARCH METHODS IN PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM2012 - ANALYSIS OF CRIM JUSTICE DATA

PSYC3020
DEATH AND DYING (SOCL3020)
Credits (Min/Max): 3/3

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

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3023
ABNORMAL PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3025
INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3028
THEORIES OF PERSONALITY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3029
SOCIAL PSYCHOLOGY (SOCL3029)
Credits (Min/Max): 3/3

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 SOCL3029

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3030
INTERPERSONAL AND GROUP DYNAMICS
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3032
PSYCH OF ADULTHOOD AND AGING
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3035
BIOLOGICAL PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3040
COUNSELING THEORIES AND METHODS I
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3041
COUNSELING THEORIES AND METHODS II
Credits (Min/Max): 3/3

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.

PSYC3045
EVOLUTIONARY PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3063
CRIMINAL BEHAVIOR: LAW AND PSYCHOLOGY (CRIM3063)
Credits (Min/Max): 3/3

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.

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

PSYC3150
COGNITIVE PSYCHOLOGY
Credits (Min/Max): 3/3

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?!"

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC3152
APPLIED BEHAVIOR ANALYSIS
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC4032
COUNSELING SURVIVORS OF TRAUMA
Credits (Min/Max): 3/3

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.

PSYC4050
SPECIAL TOPICS IN ADVANCED PSYCHOLOGY:
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

PSYC4051
INTERNSHIP I - PSYCHOLOGY
Credits (Min/Max): 1/6

An application of behavioral, developmental, group dynamics, and counseling principles through actual work experience. Internship may be repeated. Further information is available from instructor.

PSYC4055
SENIOR SEMINAR IN PSYCHOLOGY
Credits (Min/Max): 3/3

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.

PreRequisites: PSYC3011 - RESEARCH METHODS IN PSYCHOLOGY

RELS1001
OLD TESTAMENT (SLRS)
Credits (Min/Max): 3/3

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)

RELS1002
NEW TESTAMENT (SLRS)
Credits (Min/Max): 3/3

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)

RELS1002H
NEW TESTAMENT - HONORS (SLRS)
Credits (Min/Max): 3/3

A general introduction to the New Testament and overview of the historical, religious and cultural milieu in which these Scriptures originated. (SLRS)

RELS1003
WORLD RELIGIONS (SLRS)
Credits (Min/Max): 3/3

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)

RELS1003H
WORLD RELIGIONS - HONORS (SLRS)
Credits (Min/Max): 3/3

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)

RELS1004
THE BIBLE AS LITERATURE (SLRS SLLT)
Credits (Min/Max): 3/3

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)

RELS1011
CHURCH HISTORY
Credits (Min/Max): 3/3

An examination of the unfolding and growth of Christian thought in the Western world and analysis of the notion of theological development.

RELS1015
MORAL THEOLOGY
Credits (Min/Max): 3/3

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.

RELS1016
SACRAMENTAL THEOLOGY
Credits (Min/Max): 3/3

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.

RELS1018
SURVEY OF CATHOLIC DOCTRINE
Credits (Min/Max): 3/3

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.

RELS1019
CONSCIENCE AND FREE WILL (SLRS)
Credits (Min/Max): 3/3

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.

RELS1020
THE BIBLE AS A BOOK OF SOCIAL JUSTICE (SLRS)
Credits (Min/Max): 3/3

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)

RELS2014
CHRISTOLOGY
Credits (Min/Max): 3/3

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)

RELS2020
WOMEN & RELIGION
Credits (Min/Max): 3/3

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)

RELS2034
CHURCH: INSTITUTION AND COMMUNITY
Credits (Min/Max): 3/3

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.

RELS2050
SPECIAL TOPICS IN RELIGIOUS STUDIES
Credits (Min/Max): 3/3

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").

SOCL1021
RACE, CLASS AND GENDER: INTRO TO SOCIOLOGY (SLSO)
Credits (Min/Max): 3/3

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.

SOCL1023
GLOBAL SOCIAL PROBLEMS (SLSO1007)
Credits (Min/Max): 3/3

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

SOCL1034
RACE AND ETHNICITY (SLSO)
Credits (Min/Max): 3/3

A study of the social relationships of racial, ethnic, religious and other minority groups with emphasis on personal, cultural and social development.

SOCL1034H
RACE AND ETHNICITY - HONORS (SLSO)
Credits (Min/Max): 3/3

A study of the social relationships of racial, ethnic, religious and other minority groups with emphasis on personal, cultural and social development.

SOCL2008
SOCIOLOGY OF WORK AND OCCUPATIONS
Credits (Min/Max): 3/3

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).

SOCL2016
POLICE AND SOCIETY (CRIM2016)
Credits (Min/Max): 3/3

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. Cross-listed with CRIM2016

PreRequisites: CRIM1001 - INTRODUCTION TO CRIMINAL JUSTICE

SOCL2022
SPORTS AND GLOBALIZATION
Credits (Min/Max): 3/3

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.

SOCL2030
JUVENILE DELINQUENCY (CRIM2030)
Credits (Min/Max): 3/3

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. Cross-listed with CRIM2030

SOCL2038
WEALTH, POWER, AND PRESTIGE
Credits (Min/Max): 3/3

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.

SOCL2040
FOUNDATION OF SOCIAL THOUGHT
Credits (Min/Max): 3/3

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.

SOCL2043
SOCIOLOGY OF MENTAL HEALTH
Credits (Min/Max): 3/3

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.

SOCL2045
ISLAM IN THE WORLD (HIST2045/POLI2045)
Credits (Min/Max): 3/3

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

SOCL2061
SOCIAL GERONTOLOGY
Credits (Min/Max): 3/3

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.

SOCL2062
HUMAN SERVICES IN MODERN SOCIETY
Credits (Min/Max): 3/3

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.

SOCL2070
CULTURE AND HUMAN SOCIETIES
Credits (Min/Max): 3/3

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.

SOCL3002
PROBLEM PERSPECTIVES IN AGING
Credits (Min/Max): 3/3

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.

SOCL3004
HEALTH, MEDICINE AND SOCIETY
Credits (Min/Max): 3/3

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.

SOCL3008
SOCIOLOGY OF WORK AND OCCUPATIONS
Credits (Min/Max): 3/3

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).

SOCL3011
RESEARCH METHODS (INST3011)
Credits (Min/Max): 3/3

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. Cross-listed with INST3011

PreRequisites: CRIM2012 - ANALYSIS OF CRIM JUSTICE DATA

SOCL3020
DEATH AND DYING (PSYC3020)
Credits (Min/Max): 3/3

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. Cross-listed with PSYC3020

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SOCL3026
WOMEN IN AMERICAN SOCIETY
Credits (Min/Max): 3/3

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.

SOCL3027
FAMILY RELATIONS
Credits (Min/Max): 3/3

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.

SOCL3029
SOCIAL PSYCHOLOGY (PSYC3029)
Credits (Min/Max): 3/3

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

PreRequisites: PSYC1021 - INTRO TO PSYCHOLOGY

SOCL3030
THEORIES OF CRIMIMAL DEVIANCE (CRIM3030)
Credits (Min/Max): 3/3

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. Cross-listed with CRIM3030

PreRequisites: ENGL1012 - COLLEGE WRITING II

SOCL3031
RELIGION AND SOCIETY
Credits (Min/Max): 3/3

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.

SOCL3036
SOCIOLOGY OF ADDICTIONS
Credits (Min/Max): 3/3

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.

SOCL3037
VICTIMS OF ABUSE AND NEGLECT
Credits (Min/Max): 3/3

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.

SOCL3039
POLITICS AND SOCIETY (POLI3039)
Credits (Min/Max): 3/3

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

SOCL3040
ETHNIC CONFLICT (POLI3040)
Credits (Min/Max): 3/3

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

SOCL3041
CITIES AND GLOBALIZATION
Credits (Min/Max): 3/3

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.

SOCL3050
EDUCATION AND SOCIETY
Credits (Min/Max): 3/3

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.

SOCL3051
DEVELOPMENT IN SOUTHEAST ASIA (HIST/POLI3051)
Credits (Min/Max): 3/3

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

SOCL3081
ENVIRONMENT AND SOCIETY
Credits (Min/Max): 3/3

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.

SOCL3082
SOCIAL MOVEMENT AND RESISTANCE (POLI3082)
Credits (Min/Max): 3/3

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

SOCL4050
SPECIAL TOPICS IN ADVANCED SOCIOLOGY
Credits (Min/Max): 3/3

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.

SOCL4051
INTERNSHIP I - SOCIOLOGY
Credits (Min/Max): 1/6

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.

SOCL4052
INTERNSHIP II - SOCIOLOGY
Credits (Min/Max): 1/6

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.

SOCL4055
SENIOR SEMINAR (INST4055)
Credits (Min/Max): 3/3

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. Cross-listed with INST4055

SOCL4056
DIRECTED RESEARCH - SOCIOLOGY
Credits (Min/Max): 1/4

Individual research supervised by a full-time faculty member.

SPCH1001
MODERN PUBLIC SPEAKING
Credits (Min/Max): 3/3

Intended to develop an understanding of and facility in the preparation, organization, delivery and criticism of speeches.

SPCH1003
ORAL INTERPRETATION
Credits (Min/Max): 3/3

A course in the theory and practice of the interpretation of prose, drama and poetry.

SPCH1010
ORAL COMMUNICATION
Credits (Min/Max): 3/3

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.

SPCH1022
CREATIVE DRAMATICS (SLAE1010)
Credits (Min/Max): 3/3

A course in improvisational drama with emphasis on educational and motivational skills, games and the performing arts. Workshop participation is expected.

SPCH2002
CONTEMP COMM THROUGH DISCUSSION
Credits (Min/Max): 3/3

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.

SPCH2023
INTRODUCTION TO THEATRE
Credits (Min/Max): 3/3

An aesthetic and practical study of theater that examines various styles and forms of drama and theatrical productions.

Fall2022 Academic Calendar

Monday, March 21, 2022 - Friday, April 1, 2022	Advising period for Fall 2022. Online registration remains open through July 29, 2022. $100 late registration fee charged after this date for continuing students.
Wednesday, August 10, 2022	Fall Tuition Due
Monday, August 15, 2022	Online December Graduation Application opens
Friday, August 19, 2022	Freshman Orientation/Convocation. Freshmen Move-in Day.
Sunday, August 21, 2022	Residence Halls open at 10:00 am for upper-class students.
Monday, August 22, 2022	ELMSN 15-week & first ELMSN 7-week session classes begin at 8:00am.
Monday, August 22, 2022 - Friday, December 2, 2022	ELMSN 15-week session dates
Monday, August 22, 2022 - Friday, October 7, 2022	ELMSN first 7-week accelerated session dates
Monday, August 22, 2022	Full semester 16-week & first 8-week (8A, OA) accelerated session classes begin at 8:00 am
Monday, August 29, 2022	ELMSN LAST DAY TO ADD/DROP 15-week classes with 100% tuition refund; No fee
Monday, August 29, 2022	ELMSN LAST DAY TO ADD/DROP first 7-week classes with 100% tuition refund; No fee
Monday, August 29, 2022	LAST DAY TO ADD/DROP 16-week classes with 100% tuition refund; No fee
Monday, August 29, 2022	LAST DAY TO DROP first 8-week (8A, OA) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to ADD 8-week classes after the first class meeting.
Tuesday, August 30, 2022 - Tuesday, September 6, 2022	50% tuition refund period for 16-week & first 8-week (8A, OA) accelerated session class withdrawals. "W" grade assigned
Tuesday, August 30, 2022 - Tuesday, September 6, 2022	ELMSN 50% tuition refund period for 15-week & first 7-week accelerated session class withdrawals. "W" grade assigned
Monday, September 5, 2022	Labor Day Holiday. No classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus)
Wednesday, September 7, 2022	Begins no tuition refund for 16-week & first 8-week (8A, OA) accelerated session class withdrawals. "W" grade assigned
Thursday, September 15, 2022	LAST DAY to apply for December graduation (online) without being charged $25 late fee. Late fee charged after this date.
Friday, September 16, 2022	ELMSN LAST DAY TO WITHDRAW from a first 7-week accelerated session class. "W" grade assigned
Saturday, September 24, 2022	LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class. "W" grade assigned
Friday, September 30, 2022	Summer 2022 Incomplete grades due
Saturday, October 1, 2022 - Tuesday, October 4, 2022	FALL BREAK - No 16-week classes; 8-week (8A, OA) accelerated session classes will still meet.
Wednesday, October 5, 2022	Classes resume at 8:00 am.
Monday, October 10, 2022 - Friday, December 2, 2022	ELMSN second 7-week accelerated session dates

Monday, October 10, 2022	Major Declaration or Change Deadline. (Undeclared students with 60 or more credits MUST declare by this date)

Monday, October 10, 2022 - Friday, October 14, 2022	Midterm examinations for 16-week classes
Saturday, October 15, 2022	Online December Graduation Application closes
Monday, October 17, 2022 - Friday, October 28, 2022	Advising period for Spring & Summer 2023 semesters; Online registration continues through November 30, 2022 for Spring registration & through May 22, 2023 for Summer registration; $100 late fee charged after these dates.
Monday, October 17, 2022	ELMSN LAST DAY TO ADD/DROP second session 7-week classes with 100% tuition refund; No fee
Monday, October 17, 2022	Final grades for first 8-week (8A, OA) accelerated session classes due by 11:59 pm
Monday, October 17, 2022	Midterm grades in 16-week classes due by 11:59 pm. Required for all undergraduate students.
Monday, October 17, 2022	Second 8-week (8B, OB) accelerated session classes begin
Tuesday, October 18, 2022 - Monday, October 24, 2022	ELMSN 50% tuition refund period for second 7-week accelerated session class withdrawals. "W" grade assigned
Monday, October 24, 2022	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.
Tuesday, October 25, 2022 - Monday, October 31, 2022	50% tuition refund period for second 8-week (8B, OB) accelerated session class withdrawals. "W" grade assigned
Friday, October 28, 2022	ELMSN LAST DAY TO WITHDRAW from 15-week session class. "W" grade assigned
Friday, October 28, 2022	LAST DAY TO WITHDRAW from a 16-week class. "W" grade assigned
Tuesday, November 1, 2022	Begins no tuition refund for second 8-week (8B, OB) accelerated session class withdrawals. "W" grade assigned
Friday, November 4, 2022	ELMSN LAST DAY TO WITHDRAW from a second 7-week accelerated session class. "W" grade assigned
Friday, November 18, 2022	LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned.
Wednesday, November 23, 2022	Residence Halls close at 6:00 pm for Thanksgiving holiday.
Wednesday, November 23, 2022 - Sunday, November 27, 2022	THANKSGIVING BREAK begins Wednesday at 6:00 pm. No classes after 6:00.
Sunday, November 27, 2022	Residence Halls re-open at 10:00 am.
Monday, November 28, 2022	Classes resume at 8:00 am.
Wednesday, November 30, 2022	Spring 2022 online registration closes. $100 late fee charged after this date for continuing students.
Friday, December 2, 2022	Last day for 16-week semester classes
Monday, December 5, 2022 - Friday, December 9, 2022	Final Examinations
Friday, December 9, 2022	Official December graduation date. No formal commencement ceremony.
Friday, December 9, 2022	Residence Halls close at noon on Friday or 24 hours after student's last final exam, whichever comes first.
Saturday, December 10, 2022	CHRISTMAS BREAK begins.
Saturday, December 10, 2022	Spring Tuition Due

Monday, December 12, 2022	Final Grades for 16-week & second 8-week (8B, OB) accelerated session classes are due by 11:59 p.m.

Monday, August 22, 2022 - Friday, October 14, 2022	Session 8A First 8-week (8A, OA) accelerated session dates
Monday, August 29, 2022	Session 8A LAST DAY TO DROP first 8-week (8A, OA) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to add 8-week classes after the first class meeting.
Tuesday, August 30, 2022 - Tuesday, September 6, 2022	Session 8A 50% tuition refund period for first 8-week (8A, OA) accelerated session class withdrawals. "W" grade assigned
Wednesday, September 7, 2022 - Friday, September 23, 2022	Session 8A Begins no tuition refund for first 8-week (8A, OA) accelerated session class withdrawals. "W" grade assigned
Friday, September 23, 2022	Session 8A LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class with no refund. "W" grade assigned
Friday, October 14, 2022	Session 8A First 8-week (8A, OA) accelerated session classes end
Monday, October 17, 2022	Session 8A Final grades for first 8-week (8A, OA) accelerated session classes due by 11:59 pm
Monday, October 17, 2022 - Friday, December 9, 2022	Session 8B Second 8-week (8B, OB) accelerated session dates
Monday, October 24, 2022	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.
Tuesday, October 25, 2022 - Monday, October 31, 2022	Session 8B 50% tuition refund period for second 8-week (8B, OB) accelerated session class withdrawals."W" grade assigned
Tuesday, November 1, 2022	Session 8B Begins no tuition refund for second 8-week (8B, OB) accelerated session class withdrawals. "W" grade assigned
Friday, November 18, 2022	Session 8B LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned
Friday, December 9, 2022	Session 8B Second 8-week (8B, OB) accelerated session classes end
Monday, December 12, 2022	Session 8B Final grades for second 8-week (8B, OB) accelerated session classes due by 11:59 pm

Spring2023 Academic Calendar

Tuesday, October 18, 2022 - Saturday, October 29, 2022	Advising period for Spring & Summer 2022; Online registration continues through November 28, 2021 for Spring registration & through May 23, 2022 for Summer registration. $100 late fee charged after these dates.
Saturday, December 10, 2022	Spring Tuition Due.
Sunday, January 1, 2023	Online May Graduation Application Opens.
Sunday, January 8, 2023	Residence Halls open at 10:00 am.
Monday, January 9, 2023	ELMSN 15-week & first ELMSN 7-week session classes begin at 8:00am.
Monday, January 9, 2023 - Friday, April 28, 2023	ELMSN 15-week session dates
Monday, January 9, 2023	Full semester 16-week & first 8-week (8A, OA) accelerated session classes begin at 8:00 am.
Monday, January 16, 2023	Martin Luther King Jr Day. No Classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus).
Tuesday, January 17, 2023	ELMSN LAST DAY TO ADD/DROP 15-week classes with 100% tuition refund; No fee
Tuesday, January 17, 2023	ELMSN LAST DAY TO ADD/DROP first 7-week classes with 100% tuition refund; No fee
Tuesday, January 17, 2023	LAST DAY TO ADD/DROP 16-week classes with 100% tuition refund; No fee.
Tuesday, January 17, 2023	LAST DAY TO DROP first 8-week (8A, OA) 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, January 18, 2023 - Tuesday, January 24, 2023	50% tuition refund for 16-week & first 8-week (8A, OA) accelerated session class withdrawals. "W" grade assigned.
Tuesday, January 24, 2023	ELMSN 50% tuition refund period for 15-week & first 7-week accelerated session class withdrawals. "W" grade assigned
Wednesday, January 25, 2023	Begins no tuition refund on 16-week & first 8-week (8A, OA) accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Wednesday, February 1, 2023	Last day to apply for May graduation (online) without being assessed a $25 late fee. Late fee applied after this date.
Friday, February 3, 2023	ELMSN LAST DAY TO WITHDRAW from a first 7-week accelerated session class. $50 fee charged. "W" grade assigned
Friday, February 10, 2023	LAST DAY TO WITHDRAW from the first 8-week (8A, OA) accelerated session classes. $50 fee charged. "W" grade assigned.
Monday, February 13, 2023	ELMSN LAST DAY TO ADD/DROP second session 7-week classes with 100% tuition refund; No fee
Friday, February 17, 2023	Fall 2022 Incomplete grades due.
Monday, February 27, 2023 - Friday, April 21, 2023	ELMSN second 7-week accelerated session dates
Monday, February 27, 2023 - Friday, March 3, 2023	Midterm examinations for 16-week classes.
Wednesday, March 1, 2023	Online May Graduation Application closes.
Friday, March 3, 2023	First 8-week (8A, OA) accelerated session classes end.

Friday, March 3, 2023	Residence Halls close at 7:00 pm for Spring Break.

Friday, March 3, 2023 - Sunday, March 12, 2023	SPRING BREAK. Begins at 6:00 pm.
Tuesday, March 7, 2023	Final Grades for 1st 8-week accelerate session, and Midterm grades for 16-week classes due by 11:59 pm. Required for all undergraduate students.
Sunday, March 12, 2023	Residence Halls re-open at 10:00 am.
Monday, March 13, 2023	Classes resume at 8:00 am.
Monday, March 13, 2023	Second 8-week (8B, OB) accelerated session classes begin.
Wednesday, March 15, 2023	Online August Graduation Application opens.
Friday, March 17, 2023	ELMSN LAST DAY TO WITHDRAW from 15-week session class. $50 fee charged. "W" grade assigned
Friday, March 17, 2023	LAST DAY TO WITHDRAW from a 16-week class. $50 fee charged. "W" grade assigned.
Monday, March 20, 2023 - Friday, March 31, 2023	Advising and Registration period for Fall 2023. Online registration continues through July 28, 2023. $100 late fee charged after this date.
Monday, March 20, 2023	ELMSN 50% tuition refund period for second 7-week accelerated session class withdrawals. $50 fee charged. "W" grade assigned
Monday, March 20, 2023	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.
Tuesday, March 21, 2023 - Monday, March 27, 2023	50% tuition refund for second 8-week (8B, OB) accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Tuesday, March 28, 2023	Beings no refund for second 8-week (8B, OB) accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Wednesday, April 5, 2023 - Monday, April 10, 2023	EASTER BREAK begins Wednesday at 6:00 pm. No classes after 6:00 pm. Evening classes resume on Monday and day classes resume on Tuesday.
Wednesday, April 5, 2023	Residence Halls close at 6:00 pm for Easter Break.
Monday, April 10, 2023	Classes resume at 6:00 pm. No day classes.
Monday, April 10, 2023	Residence halls re-open at 10:00 am.
Monday, April 17, 2023	LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. $50 fee charged. "W" grade assigned.
Sunday, April 30, 2023	Last day to apply for August graduation (online) without being charged a $25 fee. Late fee charged after this date.
Monday, May 1, 2023 - Friday, May 5, 2023	Final Examinations
Monday, May 1, 2023	State deadline for filing Free Application for Federal Student Aid (FAFSA) for Pennsylvania State Grants.
Friday, May 5, 2023	16-week semester session & second 8-week (8B, OB) accelerated session classes end.
Friday, May 5, 2023	Residence halls close at 2:00 pm or 24 hours after student's last final exam, whichever comes first. They however, will remain open for May graduates until noon on Sunday after commencement.
Saturday, May 6, 2023	Official May Graduation date. Commencement 10:00 am in Kerr Fitness Center.
Sunday, May 7, 2023	Residence halls close at noon for graduates.
Tuesday, May 9, 2023	Final grades for 16-week & second 8-week (8B, OB) accelerated session classes are due by 11:59 pm.

Monday, January 9, 2023	Session 8A First 8-week (8A, OA) accelerated session classes begin.

Monday, January 9, 2023 - Friday, March 3, 2023	Session 8A First 8-week (8A, OA) accelerated session dates.
Tuesday, January 17, 2023	Session 8A LAST DAY TO DROP first 8-week (8A, OA) 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, January 18, 2023 - Tuesday, January 24, 2023	Session 8A 50% refund period for first 8-week (8A, OA) accelerated session class withdrawals. "W" grade assigned.
Wednesday, January 25, 2023	Session 8A Begins no tuition refund on first 8-week (8A, OA) accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Friday, February 10, 2023	Session 8A LAST DAY TO WITHDRAW from the first 8-week (8A, OA) accelerated session classes. $50 fee charged. "W" grade assigned.
Friday, March 3, 2023	Session 8A First 8-week (8A, OA) accelerated session classes end.
Tuesday, March 7, 2023	Session 8A Final grades for first 8-week (8A, OA) accelerated session classes due by 11:59 pm.
Monday, March 13, 2023	Session 8B Second 8-week (8B, OB) accelerated session classes begin.
Monday, March 13, 2023 - Friday, May 5, 2023	Session 8B Second 8-week (8B, OB) accelerated session dates.
Monday, March 20, 2023	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.
Tuesday, March 21, 2023 - Monday, March 27, 2023	Session 8B 50% tuition refund for second 8-week (8B, OB) accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Tuesday, March 28, 2023	Session 8B Begins no refund for second 8-week (8B, OB) accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Friday, April 14, 2023	Session 8B LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. $50 fee charged. "W" grade assigned.
Friday, May 5, 2023	Session 8B Second 8-week (8B, OB) accelerated session classes end.
Tuesday, May 9, 2023	Session 8B Final grades for second 8-week (8B, OB) accelerated session classes due by 11:59 pm

Summer2023 Academic Calendar

Monday, October 17, 2022 - Monday, May 22, 2023	Summer 2022 Online Registration Period. $100 late registration fee charged after the first day of the session.
Wednesday, March 15, 2023	Online August Graduation Application opens.
Sunday, April 30, 2023	Last day to apply for August Graduation (online) without being assessed $25 late fee.
Monday, May 8, 2023 - Friday, August 18, 2023	ELMSN 15-week session dates
Monday, May 8, 2023 - Friday, June 23, 2023	ELMSN first 7-week accelerated session dates
Wednesday, May 10, 2023	Summer Tuition Due
Monday, May 15, 2023	ELMSN LAST DAY TO ADD/DROP 15-week classes with 100% tuition refund; no fee
Monday, May 15, 2023	ELMSN LAST DAY TO ADD/DROP first 7-week classes with 100% tuition refund; No fee
Tuesday, May 16, 2023 - Monday, May 22, 2023	ELMSN 50% refund period for 15-week and first 7-week accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Monday, May 22, 2023 - Friday, July 28, 2023	10-WEEK SESSION DATES (FS, ON)
Monday, May 22, 2023 - Friday, June 9, 2023	3-WEEK SESSION DATES (3A, O3)
Monday, May 22, 2023 - Friday, June 30, 2023	6-WEEK SESSION DATES (6A, O6)
Monday, May 22, 2023 - Friday, July 14, 2023	8-WEEK SESSION DATES (8A, O8)
Monday, May 22, 2023 - Friday, June 23, 2023	FIRST 5-WEEK SESSION DATES (5A, O5)
Monday, May 29, 2023 - Monday, May 29, 2023	LAST DAY TO DROP 10-week (FS, ON) session classes with 100% tuition refund; No fee. Instructor's permission is required to add 10-week classes after the first class meeting.
Monday, May 29, 2023 - Monday, May 29, 2023	LAST DAY TO DROP 6-week (6A, O6) accelerated session classes with 100% tuition refund; No fee.
Monday, May 29, 2023 - Monday, May 29, 2023	LAST DAY TO DROP first 5-week (5A, O5) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to add 5-week classes after the first class meeting.
Monday, May 29, 2023 - Monday, May 29, 2023	LAST DAY TO DROP first 8-week (8A, OA) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to add 8-week classes after the first class meeting.
Monday, May 29, 2023	Memorial Day. Closed; no classes. (Classes missed due to holiday will be made up as indicated on the course syllabus)
Tuesday, May 30, 2023	August Graduation Application closes
Friday, June 2, 2023	ELMSN LAST DAY TO WITHDRAW from a first-7week accelerated session class. $50 fee charged. "W" grade assigned.
Tuesday, June 6, 2023 - Friday, June 30, 2023	LAST DAY TO WITHDRAW from 10-week (FS, ON) session class. $50 fee charged. "W" grade assigned

Tuesday, June 6, 2023 - Friday, June 16, 2023	LAST DAY TO WITHDRAW from a 6-week (6A, O6) accelerated session class. $50 fee charged. "W" grade assigned

Tuesday, June 6, 2023 - Friday, June 9, 2023	LAST DAY TO WITHDRAW from a first 5-week (5A, O5) accelerated session class. $50 fee charged. "W" grade assigned
Tuesday, June 6, 2023 - Friday, June 23, 2023	LAST DAY TO WITHDRAW from a first 8-week (8A, O8) accelerated session class. $50 fee charged. "W" grade assigned
Monday, June 19, 2023	Juneteenth Holiday Observed. Closed; no classes. (Classes missed due to holiday will be made up as indicated on the course syllabus).
Monday, June 26, 2023 - Friday, August 11, 2023	ELMSN second 7-week accelerated session dates
Monday, June 26, 2023 - Monday, July 3, 2023	LAST DAY TO DROP second 5-week (5B, 05) accelerated session classes with 100% tuition refund; No fee.
Monday, June 26, 2023 - Friday, July 28, 2023	SECOND 5-WEEK SESSION DATES (5B, O5)
Friday, June 30, 2023	Spring 2022 Incomplete Grades Due.
Monday, July 3, 2023	ELMSN LAST DAY TO AAD/DROP second 7-week classes with 100% tuition refund; No fee
Tuesday, July 4, 2023 - Monday, July 10, 2023	50% tuition refund period for second 5-week (5B, O5) accelerated session class withdrawals. $50 fee charged. "W" grade assigned
Tuesday, July 4, 2023 - Monday, July 10, 2023	ELMSN 50% tuition refund period for second 7-week accelerated session class withdrawals. $50 fee charged. "W" grade assigned.
Tuesday, July 4, 2023	Independence Day Observed. Closed; no classes. (Classes missed due to holiday will be made up as indicated on the course syllabus)
Friday, July 7, 2023	ELMSN LAST DAY TO WITHDRAW from a 15 week session class. $50 fee charged. "W" grade assigned.
Tuesday, July 11, 2023 - Friday, July 14, 2023	LAST DAY TO WITHDRAW from a second 5-week (5B, O5) accelerated session class. $50 fee charged. "W" grade assigned
Friday, July 21, 2023	ELMSN LAST DAY TO WITHDRAW from a second 7-week accelerated session class. $50 fee charged. "W" grade assigned.
Friday, August 18, 2023	Official summer graduation date, no formal commencement ceremony.