



LRU

LA ROCHE
UNIVERSITY

COURSE CATALOG

2024 - 2025



Table of Contents

2024 - 2025 Course Catalog	1
La Roche University Mission Statement	6
GOALS	6
ADMISSION	7
La Roche Academic Policies & Regulations	8
Academic Standing Classification of Students	8
Athletic Eligibility	9
Biometric Signature Usage Policy	9
Confidentiality of Student Records	10
Course Level/Course Numbering	11
Credit Hour Policy	12
Degree Requirements	14
Experiential Education Programs: (Credit for Life; Directed Study; Directed Research; Independent Study; Internship)	14
Grading System	16
Major Declaration	18
PCHE Cross-Registration Cross Registration	19
Registration, Add/Drop, Withdrawal, Tuition Refund Policy	19
Registration Policy	19
Registration/Late Registration	19
Adding or Dropping of Classes (Add/Drop)	20
Course Withdrawal with W Grade	20
Withdrawal or Leave of Absence from the University	20
Returning Student: Academic Fresh Start	20
Student Grievance Policy Grievance Policy	20
Transfer and Non-Traditional Credit	22
VA Pending Payment Compliance Policy	23
La Roche Academic Tuition & Fees	24
Faculty	26
Board of Trustees	31
La Roche University Core Curriculum	33
Design Division	37
Programs of Study	37
Detail - Design Division	37
Design Studies	37
Film	38
Graphic Design	39
Interior Architecture & Design	40
Film Minor	42
Graphic Design Minor	42

History of Visual Arts Minor.....	43
Photography Minor.....	44
Education & Nursing Division	46
Middle Level Education: English/Language Arts and Reading	46
Middle Level Education: Mathematics.....	47
Middle Level Education: Science.....	48
Middle Level Education: Social Studies.....	49
Nursing - RN to BSN Degree Completion Program.....	50
PreK-12 Special Education.....	51
PreK-4 Education.....	52
PreK-4 Education with PreK-12 Special Education	53
Education Minor	54
Advanced Studies in Autism Certificate.....	54
Clinical Nurse Leader Post Master's Certificate	54
Family Nurse Practitioner Post Master's Certificate.....	55
Nursing Administration Post Master's Certificate	56
Nursing Education Post Master's Certificate	56
Clinical Mental Health Counseling.....	56
Deaf Education	57
Doctor of Nursing Practice Program	58
Entry Level Master of Science in Nursing.....	58
Master of Arts in Teaching.....	59
Master of Science in Nursing - Clinical Nurse Leader (CNL)	60
Master of Science in Nursing - Nursing Administration	61
Master of Science in Nursing - Nursing Education	62
7-12 Special Education Certification.....	62
Autism Spectrum Disorder Endorsement Certification	63
PreK-8 Special Education Certification.....	63
Humanities Division	63
Detail - Humanities Division	64
Applied Communications	64
Communication, Media and Technology.....	64
English Studies: Literature	65
English Studies: Professional and Creative Writing.....	66
History	66
International Studies	67
Liberal Studies	68
Performing Arts - Dance Performance	68
Political Science.....	69
Sociology	71
Communication, Media and Technology Minor.....	72
English Studies: Professional and Creative Writing.....	72

Game Studies Minor	72
History Minor	73
Humanities Minor	73
International Studies Minor	74
Literature Minor	74
Performing Arts: Ballet Minor	74
Political Science Minor	74
Religious Studies Minor	75
Sociology Minor	75
Spanish Minor	75
Sustainability Interdisciplinary Studies Minor	76
Game Studies Certificate	76
Professional and Creative Writing Certificate	76
Master of Arts in Communication	77
Management Division	78
Detail - Management Division	79
Accounting	79
Accounting 4+1 Bachelor and Master Combined Program	80
Finance	81
Information Technology	82
International Management	83
Leadership	84
Management - B.A.	84
Management - B.S.	85
Management Information Systems	85
Marketing	86
Professional Studies	88
Supply Chain Management	89
Accounting Minor	90
Finance Minor	90
Information Technology Minor	90
Management Information Systems Minor	91
Management Minor	91
Marketing Minor	91
Supply Chain Management Minor	92
Accounting Certificate	92
Administration Certificate	93
HR Consultant Certificate - Post Bachelor	93
Human Resources Generalist Certificate - Post Bachelor	93
Self-Design Certificate in HRM - Post Bachelor	94
Sports and Entertainment Marketing Certificate	94
Strategic HR Professional Certificate - Post Bachelor	94

Master of Science in Accounting.....	95
Master of Science in Human Resources Management	95
Master of Science in Information Systems	97
Natural & Behavioral Sciences Division	98
Detail - Natural & Behavioral Sciences Division	99
Biochemistry.....	99
Biology (B.A.)	99
Biology (B.S.).....	100
Biology with Forensics	101
Chemistry.....	102
Chemistry - Comprehensive	102
Chemistry - Forensic Science	103
Child and Family Studies.....	104
Computer Science.....	105
Criminal Justice - Accelerated Program for Criminal Justice Professionals (APCJP)	105
Criminal Justice and Criminology	107
Cybersecurity and Forensics.....	108
Exercise and Sports Science	108
Health Science	109
Health Science - Degree Completion.....	110
Mathematics - BA.....	114
Mathematics - BS	115
Medical Imaging.....	115
National Security Studies	116
Psychology.....	117
Radiologic Technology.....	118
Applied Physics Minor	119
Biology Minor	120
Chemistry Minor.....	120
Computer Science Minor.....	120
Computer Security and Forensics Minor	121
Criminal Justice Minor	121
Criminalistics Minor.....	122
Exercise & Sport Science Minor	122
Forensics: Psychology & Criminal Justice	122
Mathematics Minor.....	123
Molecular Biology	123
Pre-Law Minor.....	123
Psychology Minor.....	124
Global Health Care Certificate	124
Health Leadership Certificate	124
Bioengineering - Pitt.....	125

Chemical Engineering - Pitt.....	126
Computer Engineering - Pitt.....	127
Electrical Engineering - Pitt.....	128
Engineering Science-Nanotechnology: Chemistry/Bioengineering Emphasis - Pitt.....	129
Industrial Engineering - Pitt.....	130
Pre-Chiropractic - Palmer College of Chiropractic	131
Pre-Dental LECOM.....	132
Pre-Optometry (Salus University)	133
Pre-Osteopathic Medicine LECOM.....	134
Pre-Pharmacy LECOM.....	135
Pre-Podiatric Medicine LECOM	136
Software Engineering - Gannon	136
Doctor of Nurse Anesthesia Practice Completion Program	137
Doctor of Nurse Anesthesia Practice Entry Level Program	138
Other Divisions.....	139
Detail - General/Other Division.....	139
Interdisciplinary Studies (Self-Design)	139
Undeclared.....	139
Course Descriptions.....	140
Spring2025 Academic Calendar	235
Summer2025 Academic Calendar	240

La Roche University Mission Statement

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

GOALS

Quality Education

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

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

Mission and Identity

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

Student Success

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

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

Stewardship of Resources

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

La Roche Academic Policies & Regulations

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

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

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

Dean's List

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

Good Academic Standing

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

Not in Good Academic Standing

Undergraduate students are not in good academic standing at the University when their cumulative and/or semester quality point averages are below 2.000. Students not in good academic standing may 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 quality 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 may be required to work with a designated academic support advisor on strategies to enhance his or her academic performance. Any student placed on academic probation may be restricted to no more than 13 credits for his or her subsequent fall or spring semester of enrollment, and may 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 (GPA) is below 1.000 or who is subject to a second placement on academic probation may 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 may 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 Provost and Executive Vice- President for Academic Affairs. 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 Provost and Executive Vice-President for Academic Affairs, 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 Dean of 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 student's reason for poor academic performance, others who might be aware of the situation, and specific steps they plan to take toward improvement. Once received and considered by the 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.
<https://intranet.laroche.edu/OL/bio-sig.cfm>
- During the first contact into the course, and after viewing the video, the student will register and enroll using the link provided.

PROCEDURES:

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

Definitions:

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

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

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

Confidentiality of Student Records

Notification of Rights Under the Family Educational Rights and Privacy Act

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

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

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

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

In accordance with FERPA, La Roche University has designated the following information as "directory information," which may be made

available upon request without the student's written permission:

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

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

Course Level/Course Numbering

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

Lower-Level – Courses numbered 1000- to 2999

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

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

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

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

Upper-Level Courses – Courses numbered 3000 – 4999

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

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

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

Graduate Level – Courses Numbered 5000- and above

Courses numbered at the 5000- and 6000-level are graduate courses. Typically, graduate courses are restricted to students who have successfully completed a baccalaureate degree. At La Roche, 7000-level courses are at the doctoral 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
XXXXXXXXXH Honors Courses available to Honors Institute members and students with GPA 3.5 and above
SASXXXXX Study Abroad/Study USA
RXXX1000 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, practical, 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/heardrulemaking/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:	<i>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.</i>
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. <i>Source: 34 CFR 668.10</i>
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. <i>Source: USNEI.</i> Typically conducted off- site.
ONLINE:	<i>Note: For financial aid purposes PHEAA defines online courses as those where 51% or more of the class is delivered online.</i>
Online	Asynchronous online instruction delivered to a group of students or an individual student where 100% of the class is conducted online.
Online Hybrid	Blended classes with some face-to-face component, where 51 to 99% of the class is conducted online.

Degree Requirements

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

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

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

Credit For Life Experience

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

Directed Study

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

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

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

Directed Research

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

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

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

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

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

Independent Study

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

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

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

Students wishing to complete an independent study must have a GPA of 2.5 or higher. Students may take up to 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

Grading System

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

Grade	Points Per Credit	Quality Description
A	4.000	Superior
A-	3.700	Outstanding
B+	3.300	
B	3.000	
B-	2.700	
C+	2.300	
C	2.000	Average
C-	1.700	
D+	1.300	
D	1.000	
D-	0.700	Minimal Passing
F	0	Failure
X	0	Incomplete
W	0	Withdrawal
P+	0	High Pass (equivalent to C or better)
P	0	Pass (equivalent to C- to D-)
NC	0	No Credit
AU	0	Audit
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 be submitted in writing to the Registrar, and will be granted only by the Vice President for Academic Affairs, and only under the most compelling circumstances.

High Pass, Pass, Fail

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.

Undergraduate courses use the High Pass/Pass/Fail grading scale, where a High Pass (P+) grade is equivalent to a C or better, Pass (P) is C- to D-, and a Fail is an F grade.

Audit

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

Repeated Course

A course may not be repeated more than twice without the approval of the student's academic advisor and department chair. When a course is repeated, the grades received in both the original course and the subsequent course will remain on the student's academic record. The higher of the two grades earned is included in the computation of the cumulative grade point average (GPA).

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

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

Semester Credit Maximum

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

Student Evaluation

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

Temporary Transfer

Students who have earned more than 90 earned may not take a summer course as a Temporary Transfer. Once a student is matriculated at La Roche University, no more than two courses, not to exceed 8 credits, may be taken and transferred from other colleges. Authorization to have these credits transferred to La Roche must be obtained in writing via the Summer Temporary Transfer Request form before enrolling at another

college. Students may not transfer credits during their residency (the last 30 credits of their coursework). Students must have a GPA of at least a 2.0 to be eligible. In most cases, permission for temporary transfer will be granted for the summer semester only.

Transcripts

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

Withdrawal from the University

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

Graduation Application Procedures

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

Academic Honors

In order to recognize and encourage excellence in academic achievement, the University acknowledges at commencement those individuals who attain superior performance. Students may be graduated with University 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 DECLARATION POLICY

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

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

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

MAJOR DECLARATION PROCEDURE

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

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

RATIONALE

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

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

Online Course Limit Policy

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

DEFINITIONS:

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

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

online class at the scheduled meeting time.

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

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

PCHE Cross-Registration Cross Registration

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

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

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

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

Registration, Add/Drop, Withdrawal, Tuition Refund Policy

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

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

* *A continuing student is one who was registered at La Roche within the last calendar year.*

** *A new student is one who is registering at La Roche for the first time.*

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

Registration Policy

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

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

Registration/Late Registration

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

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

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

Requests for Registration after the end of the add/drop period may be submitted to the Registrar, and will be considered only under extenuating

circumstances with the approval the Academic Dean. Contact the Registrar at registrar@laroche.edu for more information.

Adding or Dropping of Classes (Add/Drop)

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

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

Course Withdrawal with W Grade

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

Course Withdrawal with F Grade

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

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

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

Publication of Deadline Dates

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

Withdrawal or Leave of Absence from the University

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

Returning Student: Academic Fresh Start

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

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

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

Under the Academic Fresh Start option, the Office of the Registrar begins a new GPA for the student upon readmission. The student retains the credits for all previous courses completed with a grade of C or better, although the quality points earned from those courses will no longer be counted in calculation of the GPA. Only quality points earned from courses taken after readmission will then apply to the student's GPA. A notation indicating the beginning of an "Academic Fresh Start" will appear on the student's transcript. Students should be aware that the previous academic record will remain on the transcript.

Under this policy:

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

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

Student Grievance Policy Grievance Policy

Investigation of Complaints

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

All direct or indirect forms of retaliation and/or intimidation (physical, verbal, social networking, etc.) against the accuser/accused, or person who

provides information about incidents of sexual misconduct will not be tolerated. Furthermore, any person who is found responsible for any form of intimidation or retaliation may be subject to disciplinary action.

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

Rights and Responsibilities of Complainant, Respondent, and University

During the student conduct process for a sexual misconduct complaint:

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

Campus Guest Policy

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

Student Grievance Procedure

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

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

Definitions

Grievance.

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

Due process.

To assure that each student is provided a fair hearing.

Review Committee Membership

The Student Grievance Review Committee membership is made up of the following University community representatives:

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

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

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

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

Procedures

If a student feels that he/she has a grievance(s), he/she must attempt to settle it by speaking to the faculty/staff member who is directly responsible for the grievance. This discussion must take place within 10 business days from the time the student becomes aware of the problem. The faculty/staff member who is directly responsible for the grievance must respond in writing to the student within 5 business days after the discussion has taken place.

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

- A statement that the student has complied with step 1 above.

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

Transfer and Non-Traditional Credit

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

Transfer Credit Limits:

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

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

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

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

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

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

Courses Not Accepted In Transfer:

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

Non-Traditional Learning Options

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

• **Advanced Placement (AP).** Students must have their scores sent directly from the College Board to the Registrar to receive credit. Credit is awarded based on minimum score needed for credit, found in the standardized exam credit equivalency charts maintained by the Registrar's Office.

• **International Baccalaureate Program (IB).** Credit is awarded based on minimum score needed for credit, found in the standardized exam credit equivalency charts maintained by the Registrar's Office. Students must have their examination results sent from International Baccalaureate directly to the Registrar to receive credit.

• **Challenge Examinations.** La Roche University affords a student the opportunity to demonstrate that the knowledge associated with a particular course has already been gained through instructor prepared challenge examinations (the "exam"). Matriculated La Roche students may challenge an exam only if they have completed 30 credits of La Roche University class instruction. A maximum of 60 credits may be earned through credit by challenge exam. Departments determine and maintain both a list of available challenge courses and the restrictions on those courses. Normally, a course is challenged only during the semester in which it is offered. Students may not challenge a course which they have failed or retake a failed challenge exam. Students may not challenge a course for which they have registered after the last day of the add period. Challenge exams are not recommended for students unfamiliar with the subject area. Credits earned through challenge exams will be applied to degree credit requirements.

Students must pay an application fee and complete the appropriate form, available from the Registrar's Office. Signatures from the instructor, the advisor & division chair or department chairperson are necessary. An additional per credit fee is required when credits are granted for the completed exam.

• **External Examinations.** Satisfactory scores on the College Level Examination Program (CLEP), Defense Activity for Non-Traditional Education Support (DANTES), and other examinations evaluated by American Council on Education (ACE) for college-level credit. Students must have scores reported directly to the Registrar. Each academic department determines if credit by exam is applicable to their specific majors. No standardized examinations are permitted during the student's residency (last 30 credits).

Credit is awarded based on minimum score needed for credit, found in the standardized exam credit equivalency charts maintained by the Registrar's Office. DANTES results are evaluated on a per course basis with the academic department.

• **Credit for Training.** Credit will be awarded for military training that has been evaluated and recommended for college credit by the American Council on Education (ACE). Students must submit documentation (AARTS or SMARTS transcript is recommended, at minimum a DD214 or DD295) of training to the Registrar.

• **Credit for Life Experience.** A La Roche student can earn up to 30 credits at the undergraduate level through work and life experience through the development of a portfolio. Portfolios are submitted to the Registrar's Office and evaluated by La Roche faculty in the student's intended major. Credit for Life Experience credit hours can be applied toward general and major electives and courses for lower and upper division requirements for your major.

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 \$ 827.00

Undergraduate (Full-Time)

Tuition per semester (12-18) \$16300.00

Graduate

DNP Tuition/per credit \$1056.00

Graduate/per credit \$ 868.00

ELMSN/per credit \$ 801.00

Nurse Anesthesia Doct. (DNAP)/per credit \$1056.00

Special Programs

Undergraduate (Full-Time)

Pathway Tuition \$8190.00

Adult (ADLT) \$ 827.00

Alumni Audit/UNDG (AAUN) \$ 166.00

Alumni Audit/GRAD (AAGD) \$ 176.00

Alumni Discount (AUCO) \$ 615.00

Alumni Discount (AGCO) \$ 692.00

CDP UNDG (CDP) \$ 460.00

CDP GRAD (CDPG) \$ 692.00

Corporate Disc.-GRAD (CORG) \$ 692.00

Scholar (off campus-SC) \$ 240.00

ESL Class \$ 315.00

ESL Fee \$ 92.00

Butler CC (BC3P) \$ 460.00

Health Service-UNDG (HLTH) \$ 460.00

Health Service-GRAD (HLTG) \$ 692.00

Ballet (CPBP) \$ 615.00

Concurrent Enrollment (CPCE) \$ 240.00

Corporate Disc.-UNDG (CORP) \$ 615.00

Bridge (BRDG) \$ 156.00

Radiologic Technology \$ 827.00

Scholar Credit Int. (SCIP) \$ 240.00

Residence Fees

Graduate

Graduate Housing \$5333.00

Bold Room \$4326.00

Lower Campus/Mahler & Schneider \$3821.00

Meal A (Redhawk) \$2621.00

Meal B (Providence) \$2482.00

Meal C (Kettler) \$2294.00

Single-Bold \$6154.00

Single-Lower Campus/Mahler & Schneider \$5289.00

Other Fees/Semester

Undergraduate

Student Support/Dev. Fee \$ 363.00

Learning Technology & Curriculum Support Fee \$ 363.00

Undergraduate (Full-Time)

Pathway Fee \$ 153.00

Graduate

DNP Fee \$ 90.00

DNAP Fee (Charged Fall semester only) \$3000.00

ELMSN Fee \$1000.00

Part Time and Grad Fee \$ 92.00

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

La Roche University

Faculty

Dana Winterhalter, BS	Adjunct
Rita Yeasted, PHD	Professor Emeritus
Angela Hoffman, DNP	Adjunct
Douglas Heusey, MBA	Adjunct
Mary O'Connor	Adjunct
Lynn Archer, EDD	Professor
Barbara Herrington, PHD	Professor
Frederick Sproull, PHD	Associate Professor
Mary Ellena-Wygonik	Adjunct
Eric Schwartz, JD	Adjunct
Richard Clark	Adjunct
Michelle Maher, PHD	Professor Emeritus
Elena Almendarez, CDP	Adjunct
Cheryl Kamarados	Adjunct
Melody Vetica, DNP	Instructional Staff
Miranda Hall, MFA	Adjunct
Paul Le Blanc, PHD	Professor Emeritus
Thomas White	Adjunct
Rosemary McCarthy, PHD	Professor
Mladen Latal, MS	Adjunct
Natasha Garrett, PHD	Adjunct
Janine Molinaro, PHD	Professor
Andrea Peck, EDD	Associate Professor
Leona Whiteman, MS	Adjunct
Nicholas Haller	Adjunct
Margaret Whitlatch	Adjunct
Linda Jordan, PHD	Professor
Brian Smith, PHD	Adjunct
Shinil Cho, PHD	Professor
Michelle Kirkpatrick, MSI	Assistant Professor
Rebecca Bozym, PHD	Professor
Lisa Kamphaus, MSI	Professor
Jessica Ganni, PHD	Adjunct
Brianne Harrison	Adjunct
Michael Young, PHD	Adjunct Jean
Forti, PHD	Professor
Ann Smith-Hodgin, DNP	Assistant Professor
Lauren Lampe, MFA	Professor
Ronald Gilardi, PHD	Adjunct
Irene Joos, PHD	Professor
Pamela Chapman, PHD	Associate Professor
Tara Zalewsky-Nease	Adjunct
Scholar Faculty	Other/Place Holder
Anthony Vincent	Adjunct
Cross-Registration Faculty	Other/Place Holder
James Barnett	Adjunct
Christine Wittebort, DNA	Instructional Staff
Cynthia Karaffa	Adjunct
Lawrence Likar, JD	Professor Emeritus
Dina Muth, MBA	Assistant Professor
Karen Samuels, DNA	Adjunct
Joshua Bellin, PHD	Professor
Edward Stankowski, MFA	Professor
Sheila Mueller, MBA	Professor
Sharon Cercone	Adjunct
Mark Dawson, MBA	Professor
Melissa Leone	Adjunct
Elizabeth Gnaliam	Adjunct
Lori Fazio	Adjunct
Robert Henkels	Adjunct
Matthew Fazio	Adjunct
Katherine Heiles	Adjunct
Joshua Forrest, PHD	Professor
Zane Frund, PHD	Adjunct
Joseph Puglisi, MBA	Adjunct
Nancy Collette, MA	Adjunct
William Crowley, JD	Associate Professor

Brian Joos, MFA	Adjunct
Andrew Bott	Adjunct
Azlan Tajuddin, PHD	Professor
Steve Calva	Adjunct
Kathryn Silvis, DED	Professor
Victor Boerio	Adjunct
Kayla Zehnder, MSN	Assistant Professor
Edward Bobinchock, PHD	Professor
Lara Andreykovich	Adjunct
Sanj Katyal	Adjunct
Janice Duckworth, PHD	Associate Professor
Danielle Napoli	Adjunct
Albert Lee	Adjunct
Deborah Prise, MBA	Adjunct
Terri Liberto, PHD	Adjunct
Emily Shimko, EDD	Assistant Professor
Scott Hanley	Adjunct
Brett Whittenberger	Adjunct
Sara Miller	Adjunct
Christopher DiCianna	Adjunct
Kristen Yuretich	Adjunct
Jordan Winland	Adjunct
Maria Caruso, MS	Adjunct
Timothy Layman, DNP	Adjunct
Phillip Novak	Adjunct
Stephanie Illig, MSN	Adjunct
Fabian Carrazana, BS	Adjunct
Sarah Devine	Adjunct
Kirstie Corso	Adjunct
Lee Markowitz, PHD	Associate Professor Ryan
O'Grady, PHD	Professor
Natalie Rugg, PHD	Professor
Denise Whitacre	Adjunct
Diane McMahon, PHD	Adjunct
Kathleen Parker, PHD	Adjunct
Benjamin Burkholder, PHD	Adjunct
Stephanie Johnson	Adjunct
Deborah Kane	Adjunct
Lauren Villella	Adjunct
Lisa Bischoff	Adjunct
Nyiesha Forte	Adjunct
Christina Kalkstein, PHD	Assistant Professor
Eric Mohr, PHD	Adjunct
Bruce Karger	Adjunct
Adria Kelleher, PHD	Adjunct
Deborah Glatz	Adjunct
McKenzie Trader	Adjunct
Kalee Paskorz	Adjunct
Natalie Ahwesh, MED	Adjunct
Laura Bauer, MED	Adjunct
Jeffrey Darville, PHD	Visiting Professor
Mary Carlin, MSN	Adjunct
Christine Yaklich-Miller	Instructional Staff
Sarah White	Adjunct
Amanda Ball	Adjunct
Todd Hoffman	Instructional Staff
Anjali Rastogi	Assistant Professor
Rishi Bahl, PHD	Associate Professor
Amber Epps	Adjunct
Christine Duncan, PHD	Assistant Professor
Kayla Burgert	Adjunct
Benjamin Mogesa, PHD	Associate Professor
Stacy Innerst	Adjunct
Amy Donaldson	Adjunct
Eugene Kurtz, MED	Adjunct
Marina Razgarina	Adjunct
Dorothy Kurylo	Adjunct
Norman Snyder	Adjunct
Crystal Calla	Adjunct
Andrew Schwanbeck, MFA	Associate Professor
Andrea Lindsay	Adjunct
Lauren Lanzino, DC	Associate Professor

Mark Dunn	Adjunct
Cynthia Miller	Adjunct
Jose Muniain	Adjunct
Albert Vogt	Adjunct
Dallann Johnson	Adjunct
Shirley Duffy, PHD	Adjunct
Katy Throm	Adjunct
Shannon Mathis	Assistant Professor
Xuan Li	Adjunct
William Zuri	Adjunct
Michael Vinski	Adjunct
Amanda Mathieson	Adjunct
Faculty-TBA	Other/Place Holder
Michelle Cianciosi-Rimbey	Assistant Professor
Nancy Hajduk	Adjunct
Kathleen Guentner, PHD	Adjunct
Nadav Lipkin, PHD	Associate Professor
Thomas Podnar	Adjunct
Elizabeth Fry, PHD	Adjunct
Dale Lumley, PHD	Adjunct
Joseph Acierno, PHD	Adjunct Janet
Folkl, MA	Adjunct
Nancy Shaler	Adjunct
Steven Benson	Adjunct
Michael Hochrein	Adjunct
Christina Unger	Adjunct
Ashley Iannazzo	Adjunct
Tyler Leech	Adjunct
Kristy Carlisle	Adjunct
Denise Buckey	Adjunct
Mary Shuttlesworth, PHD	Assistant Professor
David Frick, MBA	Adjunct
Crystal Fortwangler, PHD	Assistant Professor
Debra Cummins-Dunn	Adjunct
Rishi Sethi	Adjunct
Joel Martinez, MA	Adjunct
William Belko	Adjunct
Kevin Lhota, MBA	Assistant Professor
Kimberly Riviello, DNP	Adjunct
Sean Sheffler, BA	Adjunct
Myra Couch	Adjunct
Mark Buccilli	Adjunct
Elliott Cramer, BS	Adjunct
Ronald Jesiolowski	Adjunct
Brandon Foley, PHD	Adjunct
Mark Capozza	Adjunct
T Palmer, BS	Adjunct
Tricia Katyal	Adjunct
Scott Duryea, PHD	Adjunct
Angela Smith, DNP	Assistant Professor
Christopher Hnatow	Adjunct
Sohel Sarwar, MS	Assistant Professor
Rachel Oppenheimer, PHD	Adjunct
Erin Huff	Adjunct
Amy Flynn, MSN	Assistant Professor
Brandon Szuminsky	Adjunct
Carrie Fisher	Adjunct
Sydney Fulton, MBA	Adjunct
Alyssa Breisinger	Adjunct
Bethany Porter	Adjunct
Leigh Frederick	Assistant Professor
Maria Diaz-Chatlak	Adjunct
Yuliya Sheremet	Adjunct
Peter Horton	Adjunct
Dennis Collins, MSN	Adjunct
Emily Tracy, MSN	Adjunct
Laurette Flannery, DNP	Adjunct
Mary Maggio, MED	Adjunct
Jamie Reddinger, MSN	Adjunct
Alexandra Best, MSN	Adjunct
Madeline May, BSN	Adjunct
Jill Weiss	Adjunct

Joseph Kienzle	Adjunct
Joyce Shanty	Adjunct
Kimberly Belton	Adjunct
Carey Mancuso	Adjunct
Maricarmen Leon	Adjunct
Nancy Sakino Spears	Adjunct
Michael Liccione	Adjunct
Kristi Bell	Adjunct
Andrew Clouse	Adjunct
Christina Acheson	Adjunct
Amy Marsalis	Adjunct
Elizabeth Terzian	Adjunct
Beatrix Hartmann	Adjunct
McKenzie Corner	Adjunct
Tara Joyner	Adjunct
Rayuana Gray	Adjunct
Lindsay Kyper	Adjunct
JoAnne Harlan	Adjunct
Amalia LaBaze	Adjunct
Danielle Gephart	Adjunct
Alfreida Keltz	Adjunct
Brooke Tursky	Adjunct
Suzanne Munshaw	Adjunct
Sarah Turner	Adjunct
Sean Leavey	Adjunct
Autumn Gianfrancesco	Adjunct
Jack Kinsey	Adjunct
Michael McKeown	Assistant Professor
Sean Huff	Adjunct
John Craig	Adjunct
Robert Kendall	Adjunct
Carrie Czar	Assistant Professor
Jorlanditha Austin	Adjunct
Sydney Pascarella	Adjunct
Jennifer Hast	Adjunct
Isabel Petti	Adjunct
Matthew Petras	Adjunct
Justin Dorman	Adjunct
Florine Dsouza	Adjunct
Sarah Swerdlow	Adjunct
Melissa Martin	Adjunct
Robert Wesolowski	Adjunct
Diana Dugina	Adjunct
Michael Opferman	Adjunct
Bobbie Filer	Adjunct
Erica Shields	Adjunct
Whitney Myers	Adjunct
Morgan Kelly	Adjunct
Hongying Zhou	Adjunct
Brady Crytzer	Adjunct
Dustin Updyke	Adjunct
Eric Fencil	Adjunct
Nate Lurie	Other/Place Holder
David Van Ess	Adjunct
Kerry Solomon	Adjunct
Devin Faddoul	Adjunct
Laura Kelly	Adjunct
Julie Smyder	Assistant Professor
Whitney Elsesser	Adjunct
Amy Caputo	Adjunct
Veronica Sardegna	Adjunct
Catherine Drabkin	Adjunct
Lucretia Pence	Adjunct
Adam Novak	Adjunct
Michael Nowak	Adjunct
Thomas Bennitt	Adjunct
Sarah Austin	Adjunct
Amber Schellinger	Adjunct
Carolyn Broz	Adjunct
Megan Dunham	Adjunct
Lacey Maude	Adjunct
Ashley Lanahan	Adjunct

Jessica Robinson	Adjunct
Stephanie Adam	Adjunct
Veronica Philip	Adjunct
Edmund Lazzari	Adjunct
Pamela Baratka	Adjunct
Ian Miller	Adjunct
Jennifer Shalkham	Adjunct
Gracyn Holcombe	Adjunct
Garrett Besonson	Adjunct
Ashley Solomon	Adjunct
Lindsey Assisi	Instructional Staff
Changgeon Keum	Adjunct
Sara-Jane Dakroub	Adjunct
Kaileigh Dorrier	Adjunct
Carol Merola	Adjunct
Nicole Ernst	Adjunct
Madisyn Moore	Adjunct
Stephanie Sikinger	Adjunct
Maura Mallon	Adjunct
Camren Morgan	Adjunct
Megan Michalak	Adjunct
Lexie Schlegel	Adjunct
Patrick Bussiere	Adjunct
Jennifer Engel	Adjunct
Robert Cessar	Adjunct
Stephanie Kaiser	Adjunct
Cassie Wolff	Adjunct
Maura Krushinski	Assistant Professor
Christine Chiodo	Adjunct
Denise Dolgos	Adjunct
David Krebs	Adjunct
Kimberly Snodgrass	Adjunct
Ericka Warvell	Adjunct
Michael Snyder	Adjunct
Annemarie Malady	Adjunct
Darcie Paule	Adjunct
Diane Olsen	Adjunct
Mara Marcucci	Adjunct
Holly Lassila	Adjunct
Valerie Bicker	Adjunct
Stephany Lang	Adjunct
Suzanne Sekula	Adjunct
Serena Smith	Adjunct
Narthana Kanmanii	Adjunct
Dominique Murray	Adjunct
William Biss	Adjunct
Zachary Rosenberger	Adjunct
Theodore Lehre	Adjunct
Jeffrey Chips	Adjunct
Mitchell Thiessen	Adjunct
Dawn Landman	Instructional Staff
Terence Oden	Adjunct
Jason Haberman	Adjunct
Sarah Seitz	Adjunct
Allison Sharp	Adjunct
Parker Rohrbaugh	Adjunct
Danielle Ruffing	Adjunct
Jacob Rubus	Adjunct
Julie Evans	Adjunct
Brendan Trischler	Adjunct
Sophie Jamrom	Adjunct
Grant Catton	Adjunct
Constance Kramer	Adjunct
Alicia Ingram	Adjunct
Sarah Ruiz	Adjunct
Ejovwoke Dosunmu	Adjunct
Caterina LoPresti	Adjunct
Jillian McCloskey	Adjunct
Tracey Vendilli	Adjunct

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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.

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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 –or—MATH1040
- 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 two courses for a total of 4 credits. La Roche Experience introduces students 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, students will understand their role in a larger community, which prepares them to easily step into today's competitive, global marketplace. Students should take these courses within the first three years of college. Associate degree students, degree-completion students and adult learners are exempt from this requirement.

Learning Outcomes

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

- Competence in the fundamental activities necessary for success in any field of study.
- The power to pose academic questions in areas of intellectual inquiry outside the student's major field of study, and to draw on the

principles, methodologies and resources native to those areas in addressing these questions.

- The ability to recognize the complex, interdisciplinary nature of knowledge as it is generated in the world today, and the corresponding ability to approach issues from a variety of perspectives and with a variety of analytical tool
- The imaginative capacity to conceptualize the interrelationships between local and global communities, and the moral capacity to act on that awareness to further freedom, peace, justice and well-being for all the world's people.
- The conviction that academic study is infused with ethical choices and concerns, and the courage to promote ethical beliefs and behavior in their academic and personal lives.

Core Waivers

- Students entering La Roche with 60-89 credits will be exempt from the 3 credits of core elective and LRX.
- Students who enter La Roche with 90 credits will be waived from: the 3 credits of core elective, LRX, and Interdisciplinary Inquiry
- Adult students (age 25 or older at the point of admission), students with an Associate's Degree, Veterans, 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**La Roche Experience**

LRUX1001	LRX: Foundations
LRUX2500	Investigating Social Problems

Foundations of Knowledge

ENGL1011	Academic Reading and Writing
ENGL1012	Academic Writing and Research
ISTC1010	Digital Literacy
MATH1002	Foundations of Quantitative Reasoning –or-- MATH1010 College Algebra –or-- MATH1040 Probability & Statistics
SPCH1010	Oral Communications

Breadth of Knowledge - Human Expression

DSGN1013	Intro to Photography
DSGN1015	The Aesthetic Experience of Color
DSGN2001	The Creative Process
DSGN2002	Art in Everyday Life
DSGN2003	Exploring Art
DSGN2005	Digital Fine Arts
ENGL1002	To Sing and Praise: Studies in 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 Literature
ENGL2039	Modern American Literature
ENGL2042	Science Fiction
FILM1025	Film and Visual Story Telling
PART1001	Music Appreciation I
PART1002	Music Appreciation II
PART1022	Fundamentals of Music
PART1045	History of Rock and Roll
PART2025	History of Musical Theater

Breadth of Knowledge - Natural and Physical World

BIOL1001	Life Science
BIOL1007	Introduction to Biology: Bugs and Brew
CHEM1006	Introduction to Chemistry: Braving the Elements
CHEM1007	Principles of Chemistry I
CSCI1002	Introduction to Computer Science
HSCU1010	Health and Wellness
NSCI1001	The Natural Sciences
PHYS1006	Introduction to Physical Science: Motion, Matter and Mind

Breadth of Knowledge - Social Sciences

CMET1001	Human Communication
CRIM1001	Intro to Criminal Justice
CRIM2006	The Rule of Law
EXSP2015	Social & Political Aspects of Health & Wellness
HIST1015	History of the World
HIST1016	Social Dynamics of U.S. History
POLI2002	Multicultural History of the U.S.
HIST3002	History of European Diplomacy
HSCU2015	Social and Political Aspects of Health and Wellness
POLI3030	Comparing Democracies
POLI3032	Comparative Public Policy
SOCL1021	Introduction to Sociology
SOCL1034	Race and Ethnicity
SOCL2070	Culture and Human Societies

Breadth of Knowledge - Values and Ethics

CRIM1003	Understanding the U.S. Constitution
ENGL2035	Moral of the Story
PHIL1018	Understanding the Human Person
PHIL1021	Introduction to Philosophy
PHIL2026	Ethics
RELS1001	Old Testament
RELS1002	New Testament
RELS1003	World Religions
RELS1004	The Bible as Literature
RELS1019	Conscience and Free Will
RELS1020	The Bible as a Book of Social Justice

Breadth of Knowledge - Global Perspective

CRIM1002	International Justice Systems
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 Literature and Music
GEOG2011	World Geography
HIST1013	Western Civilization I
HIST1014	Western Civilization II
HIST2000	Britain and Its Empire
HSCU2016	Global Health Care
INST2013	Introduction to International Studies
MLFR1001	Elementary French I
MLFR1002	Elementary French II
MLSP1001	Elementary Spanish I
MLSP1002	Elementary Spanish II
POLI3055	Today's Global Wars

Depth of Knowledge

INQU3002	Animal Rights
INQU3003	War in Film and Literature
INQU3004	Crime, Terror, and the Environment
INQU3005	Why We Fight: Historical Conflict in Fact, Fiction, & Film
INQU3007	Game Studies
INQU3013	American Justice
INQU3015	Canadian History & Tales
INQU3016	The Holocaust & Modern Genocide
INQU3018	Films, Fictions & Alternate History
INQU4001	Clash of Conscience and Conventions in Literature and Film
INQU4003	Virtual Communities and Social Media
INQU4005	History & Philosophy of Sports
INQU4008	Migration in the Modern World
INQU4017	Diseases That Changed the World
INQU4019	Galapagos Islands Communities
INQU4025	Women Across Cultures

Design Division Programs of Study

Majors

Design Studies	BS
Film	BA
Graphic Design	BFA
Interior Architecture & Design	BFA

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

Design Studies

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

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

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

Possible disciplines include: Graphic Design, Interior Architecture & Design, Film, Photography*, or History of Visual Arts*.

*can only be 15 credit disciplines.

Design Discipline(s): 1 or 2: 30 total credits

Selected Discipline 1 (and 2 if applicable) - 30 credits	DISC 1 or 2
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Design Studies Business Electives. Choose from these course subjects: 9 credits

Accounting Elective	ACCTXXXX
Administration & Management Elective	ADMGXXXX
Finance Elective	FINCXXXX
IST Elective	ISTCXXXX
Marketing Elective	MRKTXXXX
Supply Chain Management Elective	SCMGXXXX

Design Studies Core: 18 credits

Intro to Design Studies	DSGN1010
Design Thinking	DSGN2010
Capstone in Design Studies	DSGN4055
Drawing I	GCDN1023
Foundation Design I	GCDN1060
Foundation Design II	GCDN1062

Design/Art History: 6 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
International Film History	FILM2010
History of Interior Design & Architecture I	IDSN2032
History of Interior Design & Architecture II	IDSN2039

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: 44 credits as listed under "Major Component/Requirements"
- 3 credits of PSYC or SOCL option
- 15 credits as listed under Major Electives 37 CORE credits
- 19 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: 44 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
Service Film Project	FILM3020
Film Production IV	FILM4010
Film Capstone Pre-Production	FILM4045
Film - Internship	FILM4051
Film Capstone Project	FILM4055
Digital Photography	GCDN2016

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
Digital Content Creation	FILM2040
Introduction to Sound	FILM2050
Acting for Directors	FILM2055
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
Digital Photography IV	GCDN4028
Portfolio Review	GCDN4060
Game Studies	INQU3007

Advertising & Public Relations	MRKT2007
Buyer Behavior	MRKT3012
Marketing Research	MRKT3033
Internet Marketing	MRKT3050
Marketing Strategy	MRKT4014

Film SOCL or PSYC: 3 credits: Choose 1 course

Intro to Psychology	PSYC1021
Culture & Human Societies	SOCL2070

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 Bachelor of Fine Arts (BFA) Graphic Design Program

- successfully, the following coursework is required: 72 credits of Graphic Design Major Requirements
- 15 credits of Graphic Design Major Electives
- 37 credits of CORE Curriculum
- courses successful completion of Mid-Collegiate Review

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

Academic Standards

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

Freshman Review

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

Sophomore Review

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

Course Rotation

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

Internship Requirement

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

Transfer Policy

Students who have completed courses at other academic institutions and wish to transfer to La Roche should contact the Graphic Design Department chair, to set up a meeting to review and evaluate their coursework. 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 Management	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 in our global society with a life-long desire to be at the forefront of the profession. Students are encouraged to explore creative solutions to complex problems while showcasing their own intellectual and design capabilities. Diverse studio experiences allow students to gain the confidence to advocate for design excellence and promote the importance of interior design to society.

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

Entering Interior Architecture & Design majors are required to purchase a laptop computer with software that is commonly used in the profession.

Specific computer requirements for the academic year can be viewed at https://www.laroche.edu/Academics/Student_Academic_Support_Services/Canvas_and_Tech_Support/Computer_Requirements/Interior_Architecture_and_Design. These requirements are updated annually in the summer.

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

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

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

The program is technically a four-and-one-half year curriculum because a student must earn a minimum of 129 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:

- 80 credits of interior architecture & design major requirements
- 12 credits of interior architecture & design major electives; in addition to the courses shown below, students may select electives from Graphic

Design. Three of the 12 credits are business-related electives; options include accounting, advertising, management, marketing, and finance
•37 credits of University core requirements

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

Interior Architecture & Design Reviews

FRESHMAN REVIEW

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

Students are eligible for Freshman Review after completing the following courses with grades 'C' or above: IDSN1015, IDSN1020A, IDSN1060, IDSN1020B, IDSN1062, and IDSN1011. Specific project grade requirements that may affect the outcome of the review are listed in the course syllabi. Students may advance to the Sophomore year only after successful completion of the Freshman Review process.

After The Review:

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

SOPHOMORE REVIEW

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

Students are eligible for Sophomore Review after completing the following courses with grades 'C' or above: IDSN2038A, IDSN1021, IDSN2052, IDSN2038B, IDSN2045, IDSN1023, and IDSN2032 or IDSN2039. Specific project grade requirements that may affect the outcome of the review are listed in the course syllabi. Students may advance to the Junior year only after successful completion of the Sophomore Review process.

After The Review:

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

Art History Course: 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 & Management 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	IDSN3062
Directed Professional Experience	IDSN4000
Special Topics in IAD	IDSN4050
Independent Study - Interior Design	IDSN4057

Interior Architecture & Design Major Requirements: 80 credits

Interior Graphics I	IDSN1011
Visual Presentation	IDSN1015
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: Construction Systems	IDSN2044
Architectural Rendering	IDSN2045
Building Tech: Finish Materials & Textiles	IDSN2052
Interior Studio III (A)	IDSN3028A
Interior Studio III (B)	IDSN3028B
History of Interior Design & Architecture III	IDSN3032
Building Tech: Lighting & Electrical Systems	IDSN3040
Building Tech: Control Systems	IDSN3041
Business Practices for Interior Design	IDSN4041
Contract Documents	IDSN4042
Interior Design - Internship I	IDSN4051
Portfolio	IDSN4058
Senior Design Seminar	IDSN4059
Senior Design Capstone	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 including 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
Digital Content Creation	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 photographic 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
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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
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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
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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
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Certificate Programs

Advanced Studies in Autism Certificate	Other
Clinical Nurse Leader Post Master's Certificate	Certificate
Family Nurse Practitioner Post Master's Certificate	Certificate
Nursing Administration Post Master's Certificate	Certificate
Nursing Education Post Master's Certificate	Certificate
School Nurse Certificate	Certificate

Graduate Programs

Clinical Mental Health Counseling	MS
Deaf Education	
Doctor of Nursing Practice Program	
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

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
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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
Supporting Multilingual Learners in the Classroom	EDUC2000
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
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
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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
Supporting Multilingual Learners in the Classroom	EDUC2000
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
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	CSCXXXXX
Math Elective	MATHXXXXX

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
Supporting Multilingual Learners in the Classroom	EDUC2000
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
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
Supporting Multilingual Learners in the Classroom	EDUC2000
Initial Field Experience	EDUC2010

Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
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:

-

81 credits of Required Coursework

- 37 CORE Credits
- 2 General Elective Credits
- A minimum number of 120 credits are required for degree, the last 30 of which, and 50% of the major must be earned at La 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: 38 credits

Introduction to High Incidence Disabilities	EDSP2015
Learning Environments & Behavior Management	EDSP2025
Intro to Low Incidence Disabilities	EDSP3015
Introduction to Education	EDUC1010
Supporting Multilingual Learners in the Classroom	EDUC2000
Initial Field Experience	EDUC2010
Teaching Social Studies	EDUC2020
Children's Literature	EDUC2025
Mathematics for the Liberal Arts	MATH2000
Intro to Psychology	PSYC1021
Child Development	PSYC2022
Educational Psychology	PSYC2061
Applied Behavior Analysis	PSYC3152

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
Supporting Multilingual Learners in the Classroom	EDUC2000
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
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
Supporting Multilingual Learners in the Classroom	EDUC2000
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
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 Clinical Nurse Leader Role	NURG5023
Clinical Nurse Leader Practicum I	NURG5025
Role of the Clinical Nurse Leader in Healthcare Microsystems	NURG5027
Clinical Nurse Leader Practicum II	NURG5029

Family Nurse Practitioner Post Master's Certificate

Family Nurse Practitioner Post Master's Certificate Admission Criteria:

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

Our FNP program is designed for nurses who are seeking to advance their education and training as professional nurses. As a Family Nurse Practitioner, you will play a critical role in providing primary care services to patients across the lifespan, from birth to end of life.

Our program is structured to provide students with a comprehensive education in advanced nursing practice, including diagnostic and treatment skills, decision making, health promotion and disease prevention, and the ability to work independently and collaboratively with other healthcare providers. With a focus on evidence-based practice and patient-centered care, our FNP program prepares graduates to provide high-quality, compassionate care to patients and their families.

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

- 30 credits

Year 1, Fall: 5 credits

Advanced Pathophysiology	FNPC6000
Health Promotion & Disease Prevention	FNPC6005

Year 1, Spring: 6 credits

Advanced Pharmacology	FNPC6010
Comprehensive Health Assessment & Clinical Decision Making	FNPC6015

Year 1, Summer: 5 credits

Diagnosis & Management of Adults I	FNPC6020
Diagnosis & Management of Adults I: Practicum	FNPC6020P

Year 2, Fall: 5 credits

Diagnosis & Management of Women & Children	FNPC6025
Diagnosis & Management of Women & Children: Practicum	FNPC6025P

Year 2, Spring: 5 credits

Diagnosis & Management of Adults II	FNPC6030
Diagnosis & Management of Adults II: Practicum	FNPC6030P

Year 2, Summer: 4 credits

Integration of the Advanced Practice Role	FNPC6040
Integration of the Advanced Practice Role: Practicum	FNPC6040P

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

Clinical Mental Health Counseling

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

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

Year 1, Fall: 12 credits

Foundations of Clinical Mental Health Counseling	CMHC5000
Counseling Across Diverse Cultures	CMHC5010
Social Systems in Counseling	CMHC5020
Ethical, Legal, and Professional Practices in Counseling	CMHC5030

Year 1, Spring: 9 credits

Counseling Across the Lifespan	CMHC5040
Group Counseling Theory, Techniques, and Lab	CMHC5050
Marriage, Couples, Families Counseling and Therapy	CMHC5060

Year 1, Summer: 12 credits

Counseling Theories and Therapeutic Techniques	CMHC5070
Research Methods, Design and Statistics	CMHC5080
Psychotherapeutic Aspects of Human Sexuality	CMHC5090
Career Counseling and Vocational Development	CMHC6000

Year 2, Fall: 9 credits

Counseling Practicum	CMHC6010
Diagnosis and Treatment Planning	CMHC6020
Clinical Supervision in Counseling	CMHC6030

Year 2, Spring: 9 credits

Counseling Internship I	CMHC6040
Child and Adolescent Counseling	CMHC6050
Psychological Testing	CMHC6060

Year 2, Summer: 9 credits

Counseling Internship II	CMHC6070
Crisis, Trauma, and Disaster Counseling	CMHC6080
Addictions Counseling	CMHC6090

Deaf Education

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

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

Requirements for Program Entry, CANDIDATES MUST:

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

Program Notes:

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

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

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

Deaf Education Program Requirements : 30 credits

Intro to Deaf Education, IEPs & Apprenticeship I @ LRU	EDDE5010
ASL/Sign Language @ Minot State	EDDE5520
Apprenticeship II & Seminar @ LRU	EDDE6010
Apprenticeship III @ LRU	EDDE6020

Transitions @ RMU	EDDE6045
Curriculum & Assessment @ RMU	EDDE6060
Communication/Language Development @ RMU	EDDE6070
Literacy & Language @ Utah State	EDDE6320
Auditory Learning & Spoken Language for Children with Hearing Loss @ Utah	EDDE6340
Reading Across the Curriculum/ELL @ RMU	EDDE6400

Doctor of Nursing Practice Program

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

Admission Criteria:

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

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

REQUIREMENTS: To successfully complete the Doctor of Nursing Practice degree, the following coursework is required:

- 26 credits

First Semester: 9 credits

Healthcare Statistics	DNPR7000
Health Policy & Health Care Economics	DNPR7003
Doctoral Practicum I	DNPR7006
Scholarly Writing	DNPR7024

Second Semester: 9 credits

Evaluation & Decision Making for Health Services Prog.	DNPR7001
Systematic Leadership I	DNPR7002
Doctoral Practicum II	DNPR7007

Third Semester: 8 credits

Systematic Leadership II	DNPR7004
Educational Concepts & Practices in Higher Educ.	DNPR7005
Doctoral Practicum III	DNPR7008

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 basic life support training from the American Heart Association (AHA) or American Red Cross
5. Undergraduate GPA of 3.0 or greater (Last 60 credits)

6. Completed Department of Nursing health form and physical
7. Completion of the following pre-requisites *from an approved institution* with a C or better within 7 years:
 - Human Anatomy & Physiology I (with Lab component)
 - Human Anatomy & Physiology II (with Lab component)
 - Microbiology (with lab component)
 - Chemistry
8. ATI TEAS composite score of 70% or higher and a score of 70% in the English Language and Usage section (taken within the last year). Effective Fall admission of 2024

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

Comprehensive Health Assessment	NURN5017
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
Prof Nurs Pract: Maternal Newborn Clinical	NURN5124C
Professional Nursing Practice: Women and Children	NURN5125
Prof Nurs Pract: Pediatric Clinical	NURN5126C
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 (6):

- 3 credits of Educational Psychology or Developmental Psychology (Child/Adolescent)
- 3 credits of Supporting Multilingual Learners in the Classroom - EDUC2000 at LRU
 - EDUC2000 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)

The Master of Science in Nursing (MSN) program builds on the knowledge and competencies of baccalaureate education. Graduate courses focus on the development of scholarly, critical thinkers and leaders who develop the skills necessary to transform knowledge into advanced practice.

The Master of Science in Nursing program (MSN) 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.

MSN 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 Role Development	NURG5004
Healthcare Delivery Systems	NURG5006

YEAR ONE - SPRING SEMESTER: 10 credits

Advanced Pharmacology	NURG5007
Advanced Pathophysiology	NURG5009
Foundations for Clinical Nurse Leader Role	NURG5023

YEAR ONE - SUMMER SEMESTER: 8 credits

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

YEAR TWO - FALL SEMESTER: 7 credits

Comprehensive Health Assessment	NURG5017
Role of the Clinical Nurse Leader in Healthcare Microsystems	NURG5027

YEAR TWO - SPRING SEMESTER: 8 credits

Clinical Nurse Leader Practicum II	NURG5029
Capstone Scholarly Experience	NURG6000

Master of Science in Nursing - Nursing Administration

The Master of Science in Nursing (MSN) program builds on the knowledge and competencies of baccalaureate education. Graduate courses focus on the development of scholarly, critical thinkers and leaders who develop the skills necessary to transform knowledge into advanced practice.

The Master of Science in Nursing program (MSN) 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.

MSN 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.

YEAR ONE - FALL SEMESTER: 9 credits

Research and Evidence Based Practice	NURG5002
Theory and Role Development	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 Care Policy and Global Considerations	NURG5012
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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

The Master of Science in Nursing (MSN) program builds on the knowledge and competencies of baccalaureate education. Graduate courses focus on the development of scholarly, critical thinkers and leaders who develop the skills necessary to transform knowledge into advanced practice.

The Master of Science in Nursing program (MSN) 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.

MSN 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.

YEAR ONE - FALL SEMESTER: 9 credits

Research and Evidence Based Practice	NURG5002
Theory and Role Development	NURG5004
Healthcare Delivery Systems	NURG5006

YEAR ONE - SPRING SEMESTER : 9 credits

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

YEAR ONE - SUMMER SEMESTER: 3 credits

Health Care Policy and Global Considerations	NURG5012
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YEAR TWO - FALL SEMESTER: 9 credits

Curriculum Design and Evaluation	NURG5015
Comprehensive Health Assessment	NURG5017
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

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
Modern Language Certificate
Professional and Creative Writing Certificate

Certificate
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
Business Communications	ENGL2029
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

Professional Presentations	ADMG3024
Creative Writing	ENGL2040
Writing for Advertising	ENGL3034
Writing for Broadcast and Social Media	ENGL3035
Writing for Non-Profits	ENGL3042
Film & Visual Storytelling	FILM1025

Communication, Media and Technology Electives: Select 9 credits

Communication in Organizations	CMET2001
Message Design & Media	CMET3005
Special Topics in Communication, Media & Technology	CMET3040
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 English Studies: Literature major successfully, the following course work is required:

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

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

Major Requirements: 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
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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:

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

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

English Writing Component: 51 credits

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
Publication Design GCDN3051

Literature Component: 9 credits

Literature Elective ENGL2XXX
Shakespeare ENGL3023
Literature Elective ENGL3XXX

Writing Component Choice: 3 credits: Choose 1 course

Writing Poetry ENGL2025
Creative Writing ENGL2040

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
- 1 credit (minimum) Applied Learning
- 40 general elective credits
- 37 Core Curriculum credits

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

Applied Learning: 1 credit Minimum - Choose 1 option

History - Internship I	HIST4051
History - Independent Study	HIST4057

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 Language 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 Presentations	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

Note: Admission for Fall 2023 into the Performing Arts/Dance Studio degree program has been temporarily paused.

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 Composition 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

Applied Learning: 1 credit Minimum - Choose 1 option

History - Internship I	HIST4051
Political Science - Independent Study	POLI4057

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 Spain	HIST3012
History of Modern Europe	HIST3027
East Asian History	HIST3028
History & Politics of Africa	POLI3019

Major Electives -- Political Theory: 3 Credits

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

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
Christology
Women & Religion

PHIL2026
RELS2014
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
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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
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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
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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

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
- Supply Chain Management

Business Group Mission Statement

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

All Business Group programs share the following components:

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

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
Supply Chain Management	BS

Minors

Accounting Minor	Other
Finance Minor	Other
Information Technology Minor	Other
Management Information Systems Minor	Other
Management Minor	Other
Marketing Minor	Other
Supply Chain Management 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

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 Presentations	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 Presentations	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 accreditation association for business education.

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

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

The following coursework is required:

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

*Note: A course used as a major requirement cannot also be used as a major elective. The same course 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 Presentations	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 Business Group, is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading specialized accreditation association for business education.

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

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

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

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

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

Business Core 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 Presentations
Calculus for Business, Economics, & Managerial Sciences
Probability & Statistics
Finite Mathematics for Business

ADMG3024
MATH1030
MATH1040
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 Presentations	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 Presentations	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 Presentations	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 Presentations	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 Management	MRKT4016
Services Marketing	MRKT4018
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

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 Presentations	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
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Track II-Public Relations Concentration: 18 Credits

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

Supply Chain Management

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

All Business Group programs share the following components:

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

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

- 48 credits as listed under “Major Component/Requirements” (Business Core)
- 18 credits of Major Requirements
- 9 credits of Major Electives
- 9 credits Skills Component
- 34 CORE credits
- 2 credits General Electives
- A minimum number of 120 credits are required for the degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

SCM Business Core Requirements: 48 credits

Accounting I	ACCT2003
Accounting II	ACCT2004
Managerial Accounting	ACCT2013
Macroeconomics	ADMG1005
Microeconomics	ADMG1006
Fundamentals of Management	ADMG1018
Business Law I	ADMG2009
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

SCM Business Skills Components: 9 credits

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

Supply Chain Major Electives: Choose 3 courses: 9 credits

Taxation II	ACCT3002
Cost Accounting	ACCT3014
International Finance	INMT4046
International Legal Environment	INMT4048
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Supply Chain Management Internship	SCMG4051

Supply Chain Major Requirements: 18 credits

International Political Economy	ADMG3003
Project Management	ADMG3015
Case Studies Using Advanced Excel	ISTC3025
Quality Management	SCMG3010
Logistics Management	SCMG3040
Seminar in Supply Chain Management	SCMG4055

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 course 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 Management	MRKT4016
Services Marketing	MRKT4018
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

Supply Chain Management Minor

Minors must be completed within the student's graduation timeline. Students may not major and minor in the same department (e.g., accounting majors may not declare an accounting minor). Students with a business major can elect to complete one or two minors in other business areas (except the Management minor, which is for non-business majors only).

The Supply Chain Management minor requires completion of 15 credits total in the following:

- 12 credits of required courses
- 3 credits of minor electives

SCM Minor Elective: Choose 1: 3 credits

Taxation II	ACCT3002
Cost Accounting	ACCT3014
International Political Economy	ADMG3003
Project Management	ADMG3015
International Finance	INMT4046
International Legal Environment	INMT4048
Management Of Information Systems	ISTC2021
Data Base Management Systems	ISTC2045
Supply Chain Management Internship	SCMG4051

SCM Minor Requirements: 12 credits

Case Studies Using Advanced Excel	ISTC3025
Quality Management	SCMG3010
Logistics Management	SCMG3040
Seminar in Supply Chain Management	SCMG4055

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. This undergraduate certificate must be completed within the student's graduation timeline. The certificate is open to all bachelor degree majors, including students in the Marketing department.

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 Development: 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:

- 4 Undergraduate prerequisites as listed below
- 27 Credits under Core Requirements
- 3 Elective Credits

UNDERGRADUATE PREREQUISITES

Satisfactory completion (**grade of “C” or better**) of four undergraduate prerequisites that must be completed within the first three semesters of graduate study. These include:

1. Programming in Java; LRU course – ISTC3034, or transfer equivalent, or work experience
2. Database Management Systems; LRU course– ISTC2045 or ISTC3046, or transfer equivalent, or work experience
3. Management of Information Systems; LRU course – ISTC2021, or transfer equivalent, or work experience
4. Systems Analysis and Design; LRU course – ISTC4042, or transfer equivalent, or work experience

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
Cybersecurity and Forensics	BS
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
Forensics: Psychology & Criminal Justice	Other
Mathematics Minor	Other
Molecular Biology	Other
Pre-Law Minor	Other
Psychology Minor	Other

Certificate Programs

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
Pre-Podiatric Medicine 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:

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

Major Electives: 22 credits (BIOL2000 or higher)

Biology - Internship I	BIOL4051
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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
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:

- 71 credits of Major Component
- 13 credits of Criminal Justice Component
- 37 CORE credits
- A minimum number of 121 credits are required for degree, the last 30 of which must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

Biology Component: 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
Biochemistry II-Lab	CHEM3039

Chemistry, Mathematics and Physics: 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

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
Introduction to High Incidence Disabilities	EDSP2015
Technical Writing	ENGL2030
Intro to Psychology	PSYC1021
Career & Professional Development	PSYC2010
Child Development	PSYC2022
Adolescent Development	PSYC2040
Research Methods in Psychology	PSYC3011
Psychological Disorders	PSYC3023

Adulthood Development & Aging
Counseling Theories & Methods I
Counseling Theories & Methods II
Family Relations

PSYC3032
PSYC3040
PSYC3041
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
Environmental 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
- 37 academic core credits
- 26 general elective credits: May be fulfilled through a second major, minor or certificate program. Recommended programs are: Criminalistics, Accounting, Computer Forensics and Security, Forensic Psychology, or Pre-Law

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

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 cross listed with PSYC3063)

Intro to Corrections	CRIM2010
Juvenile Delinquency	CRIM2030
Correctional Counseling	CRIM3000
Environmental 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

Cybersecurity and Forensics

PURPOSE: A major in Cyber Security and Forensics is designed to prepare students for career opportunities in both the public and private sectors in national security, law, law enforcement and private sector computer security; or for further study at the graduate level in information security, computer security or legal studies.

REQUIREMENTS: To successfully complete the Cybersecurity and Forensics major, the following coursework is required:

- 40 credits as listed under “Major Component/Requirements”
- 12 credits of Major Electives
- 15 credits Skills Component
- 37 CORE credits
- 16 General Elective Credits
- A minimum number of 120 credits are required for degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

Cybersecurity Major Component Option: Choose 3 credits

Operating Systems	CSCI3040
Linux	ISTC3030

Cybersecurity Major Component: 37 credits

Intro Criminal Justice	CRIM1001
Intelligence Analysis & Presentation Techniques	CRIM2011
Constitutional Law	CRIM3005
Computer Crime	CRIM3043
Computer Forensics Investigations	CRIM4030
Senior Capstone Experience	CRIM4055
Programming I	CSCI1010
Programming I-Lab	CSCI1010L
Computer Security	CSCI3042
Networking	ISTC2030
Intro to Intellectual Property	ISTC3005
Advanced Networking & Telecom	ISTC3031
Research Methods in Psychology	PSYC3011

Cybersecurity Major Electives: Choose 12 credits

Terrorism	CRIM3036
Crime Scene Investigation & Forensics	CRIM3040
Criminal Investigations	CRIM3045
Network Analysis and Crime Mapping	CRIM3065
Criminal Justice - Internship I	CRIM4051
Programming II	CSCI2010
Programming II-Lab	CSCI2010L
Drones for Photo & Film	FILM2035
Data Base Management Systems	ISTC2045

Cybersecurity Skills Component: 15 credits

Technical Writing	ENGL2030
Problem Solving	ISTC1021
Introduction to Cyberspace	ISTC2008
Case Studies Using Advanced Excel	ISTC3025
Probability & Statistics	MATH1040

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 Performance Component: 30 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
Health Science Capstone	HSCU4055

Exercise 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
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.

The Health Science 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 major the following coursework is required:

- 37 credits of Science and Mathematics Component
- 18 credits of Health Science Component Electives
- 2 credits of Health Science Capstone requirement

- 37 credits of CORE Curriculum courses
- 26 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

Health Science Required: 2 credits

Health Science Capstone	HSCU4055
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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	NSC1025
Physics for Health Sciences	PHYS1010
Physics for Health Science-Lab	PHYS1010L

Health Science - Degree Completion

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. 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 Component: 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 Component: 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 Presentations	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
- 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
Any 3000-4000 Level HIST, POLI, or INST	

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	CRIM2011
Research Methods	PSYC3011
Senior Criminal Justice Capstone	CRIM4055

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	CRIM3015
Emergency Preparedness and Crisis Management	CRIM4012
Internship	CRIM4051
Intro to Psychology	PSYC1021
Interpersonal & Group Dynamics	PSYC3030
Comparative Government	INST3021

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:

- 11 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
Psychological Disorders	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 Health System, 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 Health System](#). Heritage Valley Health System, 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 Health System/La Roche University Radiography Program Mission Statement:

The Heritage Valley Health System/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 Health System Monday through Friday from 7:30 a.m. until approximately 12:00 p.m. Appointments may be scheduled by calling Heritage Valley Health System, 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 Health System 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 Health System, 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
Radiologic Technology 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

Forensics: Psychology & Criminal Justice

The Department of Psychology, in coordination with the Department of Law, Justice and Security, offers a minor in Forensics: Psychology & Criminal Justice. The minor 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: 18 Credits

Intro Criminal Justice	CRIM1001
Theories of Criminal Deviance	CRIM3030
Intro to Psychology	PSYC1021
Forensic Psychology	PSYC2065
Research Methods in Psychology	PSYC3011
Psychological Disorders	PSYC3023

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

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	HMG3035
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	HMG3010
Management & Leadership for the Health Sciences	HMG3030
Health Services	HMG3035
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 program liaison at LRC
- must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
 - Foundations: 46 credits
 - Mathematics: 13 credits
 - Chemistry: 4-8 credits
 - Biological Sciences: 16 credits
 - Engineering: 3 credits (taken at University of Pittsburgh)
 - Engineering/Science elective: 3 credits (see pre-approved list below)
- must have completed the major requirements prescribed by their LRC program prior to commencing study at the University of Pittsburgh or have a written plan in place to show how these requirements will be met at the University of Pittsburgh

Biological Sciences: 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 Vertebrate 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 I	ENGR0135
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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
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Programming II-Lab	CSCI2010L
Materials Structure & Properties	ENGR0022
Statistics & Mechanics of Materials I	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 liaison at LRC
- must successfully complete all science and math pre-requisite course requirements for their intended engineering major with a grade of C or better and a GPA of 3.0 or better
 - Foundations: 46 credits
 - Mathematics: 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 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: 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
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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 Humanities/ 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 Mathematics Component: 29 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

Pre-Dental LECOM

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing a any La Roche University major and the required prerequisite courses before entering Phase II.

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

- Minimum SAT ≥ 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
- Must apply to LECOM prior to starting their 3rd year

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 Vertebrate 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

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing any La Roche University major, and completing the required LECOM prerequisite courses.

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

- 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
- Must apply to LECOM prior to start of 2nd year for 3+4 track and 3rd year for 4+4 track

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

- 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 I	PHYS1032
Physics I-Lab	PHYS1032L

Pre-Pharmacy LECOM

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing any La Roche University major, along with the required pre-requisite courses. There are two tracks for Phase I: a 3+ and 4+. Students in the 3+ track only spend 3 years in Phase I and must complete at least 75% of their LRU major and have in place a plan for transferring back LECOM Pharmacy courses to complete their LRU major prior to entering Phase II.

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

- 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
- Must apply to LECOM prior to start of 2nd year for 3+ track and 3rd year for 4+ track

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

- 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

Pre-Podiatric Science Component: 32 credits

General Chemistry II-Lab	CHEM1004
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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

Pre-Podiatric Medicine LECOM

This is an Early Acceptance Program and is provisional. Phase I consists of pursuing any LRU major, and a minimum of 60 credit hours taken at La Roche. In addition, students must complete the pre-podiatric medicine prerequisite courses during their time at La Roche before moving on to Phase II.

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

- Minimum SAT \geq 1100, ACT \geq 21
- High school GPA \geq 3.5 on a 4.0 scale
- US Citizen or lawful permanent resident
- Must apply to LECOM prior to earning 65 undergraduate credit

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

- 38 credits of required courses (32 Science and 6 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 podiatric medicine or a course of similar academic rigor must be taken instead.
- Minimum overall GPA \geq 3.4 and minimum science GPA \geq 3.2
- Minimum 490 MCAT; if lower score is received student will be interviewed a second time.

All students completing Phase I must be approved by the Pre-Professional faculty committee to enter Phase II. There are only 2 seats available each year. LECOM is located in Erie. Students apply to Phase II on the LECOM portal: <https://portal.lecom.edu>

Humanities Component: 6 credits

Academic Reading and Writing	ENGL1011
Academic Writing and Research	ENGL1012

Pre-Podiatric Science Component: 32 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
Organic Chemistry I	CHEM2015
Organic Chemistry I-Lab	CHEM2015L
Organic Chemistry II	CHEM2016
Organic Chemistry II-Lab	CHEM2016L
Physics I	PHYS1032
Physics I-Lab	PHYS1032L
Physics II	PHYS1033
Physics II-Lab	PHYS1033L

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
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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
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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.

Course Descriptions

Detail

ACCT1001

ACCOUNTING CONCEPTS

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: ACCT2003. The second of a two-course introductory financial accounting sequence that examines financial accounting from the viewpoint of preparers and users of financial statements. This course focuses on a continuation of basic Generally Accepted Accounting Principles along with the principles and concepts of recording, processing, reporting, using, and analyzing accounting information. Topics include long-lived assets, current and long-term liabilities, partnership and corporate equity transactions, the statement of cash flows, and ratio analysis.

ACCT2013

MANAGERIAL ACCOUNTING

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT2003. An examination of the internal uses of accounting information, this course focuses on the relationship between accounting data and management's information needs in support of planning, controlling, motivating, and decision making. Topics include costing systems and behaviors; product costs, period costs, and overhead application methods; cost-volume-profit analysis; budgeting; standards and variance analysis; and managerial decision making.

ACCT2025

ACCOUNTING WITH COMPUTERS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT2004

A hands-on experience of the integration of technology into the accounting field. This course enables students to work through a complete accounting cycle using a commercial accounting software package. Topics include the preparation of accounting information and its subsequent uses, as well as the instruction of advanced skills needed to use spreadsheet software to prepare schedules commonly found in an accounting environment.

ACCT3001

TAXATION I

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT2004

This introductory taxation course examines the basic income tax provisions of the federal Internal Revenue Code, with a particular focus on those provisions that affect the tax liabilities of individual taxpayers. This course focuses on some of the basic forms that must be submitted by taxpayers, recognition of present real world tax issues, planning strategies to ensure compliance with applicable law and regulations while minimizing the taxpayers' exposure to liability, and the evaluation of the practical and ethical issues that may be encountered in implementing tax strategies.

ACCT3002

TAXATION II

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT2004

This course examines the basic income tax provisions of the federal Internal Revenue Code, with a particular focus on those provisions applicable to partnerships, corporations, and other entities. This course focuses on choice of entity issues, tax accounting and procedural issues, planning strategies, and the evaluation of the practical and ethical issues that may be encountered in implementing tax strategies.

ACCT3011
INTERMEDIATE ACCOUNTING I
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT2004

The first of a two-course in-depth financial accounting sequence that examines the foundations of accounting theory and practice from the viewpoint of preparers and users of financial statements. This course focuses on a detailed examination and application of Generally Accepted Accounting Principles as they relate to the asset side of the balance sheet. Topics include the more complex details and attributes of accounting conceptual framework, financial statements and required disclosures, time value of money, cash, revenue recognition, receivables, inventory, and long-lived assets.

ACCT3012
INTERMEDIATE ACCOUNTING II
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT2004

The second of a two-course in-depth financial accounting sequence that examines the foundations of accounting theory and practice from the viewpoint of preparers and users of financial statements. This course focuses on a continuation of the detailed examination and application of Generally Accepted Accounting Principles as they relate to the liability and equity side of the balance sheet, along with the impact on the other financial statements. Topics include long-term debt, share-based compensation, earnings per share, leases, prior period adjustments, accounting changes, and the statement of cash flows.

ACCT3014
COST ACCOUNTING
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT2013

Continuing to examine the internal uses of accounting information, this course focuses on the managerial roles of planning, controlling, motivating, and decision making. Topics include a detailed examination and application of internal costing systems, the master budget and responsibility accounting, inventory cost and capacity analysis, customer profitability analysis, allocation of common cost, and the costs of quality and time as components of the balanced scorecard.

ACCT4001
ADVANCED ACCOUNTING
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT3012

A continued examination of Generally Accepted Accounting Principles, this course focuses on complex and specialized accounting topics along with the procedures required for professional accounting certification. Topics include business combinations, governmental, not-for-profit organizations, foreign currency transactions and advanced specialized accounting issued relating to investments, plant assets, and cash flows.

ACCT4002
AUDITING
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ACCT3012

Providing a thorough knowledge of auditing, this course focuses on the application of auditing principles, the attest function, and Generally Accepted Auditing Standards (GAAS). Topics include auditing and assurance services, professional standards, engagement planning, management fraud and audit risk, internal control evaluation, employee fraud, and reports on audited financial statements.

ACCT4051
INTERNSHIP I - ACCOUNTING
Credits (Min/Max): 1.00/6.00

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): 1.00/6.00

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.

ACCT4057
INDEPENDENT STUDY - ACCOUNTING
Credits (Min/Max): 1.00/3.00

The independent study is intended to give an opportunity to students with superior ability to pursue an area of study in accounting that is very specific in focus and/or not covered in existing offerings.

ACCT5020**ETHICS AND PROFESSIONAL RESPONSIBILITIES IN ACCOUNTING****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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.

ACCT5040**THE BUSINESS OF READING AND WRITING****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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.

ACCT6020**ADVANCED FORENSIC ACCOUNTING****Credits (Min/Max): 3.00/3.00**

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.

ACCT6050**WEALTH MANAGEMENT****Credits (Min/Max): 3.00/3.00**

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.

ACCT6060**ACCOUNTING FOR NOT-FOR-PROFIT ENTITIES****Credits (Min/Max): 3.00/3.00**

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.

ACCT6070**ADVANCED FINANCIAL MANGEMENT****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ACCT6050

This course will build upon the principles discussed in Wealth Management. Major topics and areas to be covered include cost of capital, capital budgeting, cash flow estimation, corporate valuation, capital structure, lease financing, hybrid financing, bankruptcy and working capital management.

ACCT6080**CONTEMPORARY ISSUES IN TAXATION****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ACCT3001 OR ACCT3002

This course will enlighten the student about current tax topics being discussed in Congress or in the court system. An additional focus will be tax planning and compliance.

ACCT6085**INTERNATIONAL ACCOUNTING****Credits (Min/Max): 3.00/3.00**

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.

ADMG1001**INTRO TO ADMINISTRATION & MGMT****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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

ADMG2018**ORGANIZATIONAL BEHAVIOR****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ADMG1018

This course provides an in-depth examination of organizational behavior from a macro-perspective. This course includes a review of the research on organizational structure, technology and the environment, as well as their relationship and the implications for effective organizational design. Also included in the course are discussions of organizational goals and effectiveness, organizational culture, organizational conflict and politics, and alternative organizational structure in the U.S. and abroad.

ADMG2021

MARKETING MANAGEMENT (MRKT2021)

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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.

ADMG3003

INTERNATIONAL POLITICAL ECONOMY (INST3003)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ADMG1005

An overview of the major theories of international political economy. Topics include the increasingly important role of global factors in the American economy, the international financial environment, international trade relations and economic development. Cross-listed with INST3003

ADMG3010

BUSINESS ORGANIZATION AND REGULATION

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ADMG2009

This course studies the concepts of Unincorporated Business Association and Corporations. It also provides an overview of the issues relating to the Regulation of Business.

ADMG3015

PROJECT MANAGEMENT

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ADMG1018

This course presents a comprehensive introduction to Project Management. The task of managing projects and the challenges facing project workers are examined in the context of new realities, requirements, opportunities and problems developing in the business environment. In addition to the traditional concerns of project management involving time, budget and specifications management, quality management, contract/procurement management and communication management as they affect the management of projects in the modern work place.

ADMG3024

PROFESSIONAL PRESENTATION

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: ISTC1010

Case Studies Using Advanced Excel is designed to provide students with advanced Excel applications requiring analytical skills. This course will require application within a variety of both profit and non-profit situations and will focus on problem solving and critical thinking with Excel. Excel skills incorporated into case studies will include, but are not limited to: Pivot tables and charts, VLOOKUP, IF, AND, OR formulas, Text-to- Columns, and the Concatenate function. Other software, for which Excel serves as a basis, may also be covered. Cross-listed with ISTC3025.

ADMG4020

OPERATIONS MANAGEMENT

Credits (Min/Max): 3.00/3.00

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.

ADMG4052
INTERNSHIP II - ADM AND MGMT
Credits (Min/Max): 1.00/6.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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.

ARTH3020
HISTORY OF CONTEMPORARY ART
Credits (Min/Max): 3.00/3.00

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.

BIOL1001
LIFE SCIENCE (SLSC)
Credits (Min/Max): 3.00/3.00

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)

BIOL1003
GENERAL BIOLOGY I
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: BIOL1003 & BIOL1005
COREQUISITE: BIOL1006

A presentation of a comprehensive survey of the major area within modern biology with emphasis placed on unsolved problems and the nature of scientific evidence. The course explores the properties of living matter on the molecular, cellular and organismic level. Open to all science majors and non-science majors with a strong interest in biology or a professional need.

BIOL1005
GENERAL BIOLOGY I - LAB
Credits (Min/Max): 1.00/1.00

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

BIOL1006
GENERAL BIOLOGY II - LAB
Credits (Min/Max): 1.00/1.00

PREREQUISITE: BIOL1003 & BIOL1005

COREQUISITE: BIOL1004

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

BIOL1015
MICROBIOLOGY FOR HEALTH SCIENCES
Credits (Min/Max): 3.00/3.00

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
MICROBIO FOR HEALTH SCIENCES LAB
Credits (Min/Max): 1.00/1.00

Lab for BIOL1015: Microbiology for Health Sciences

BIOL1020
MEDICAL TERMINOLOGY
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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 ANAT AND PHYSIO I LAB
Credits (Min/Max): 1.00/1.00

Laboratory for BIOL1023: Anatomy & Physiology I

BIOL1024
HUMAN ANATOMY AND PHYSIOLOGY II
Credits (Min/Max): 3.00/3.00

PREREQUISITE: BIOL1023

The second of two basic courses concerned with the structural and physiological processes of the human body. Interdependence of structure and function is stressed to promote better understanding of the entire body environment. Lecture and laboratory courses.

BIOL1024L
HUMAN ANAT AND PHYSIO II LAB
Credits (Min/Max): 1.00/1.00

Laboratory for BIOL1024: Anatomy and Physiology II.

BIOL2021
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY I
Credits (Min/Max): 4.00/4.00

A comparative study of the structural and functional characteristics of vertebrates tracing the evolution of animals from primitive chordates to mammals. Emphasis is placed on the physical and chemical operations of vertebrates and how these operations contribute to homeostasis. Structural/functional relationships are discussed. Lecture and laboratory courses. PREREQUISITE: BIOL1004 & 1006.

BIOL2021L
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY I - LAB
Credits (Min/Max): 0.00/0.00

Laboratory for BIOL2021: Comparative Vertebrate Anatomy and Physiology I

BIOL2022
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY II
Credits (Min/Max): 4.00/4.00

PREREQUISITE: BIOL2021 AND BIOL2021L

A comparative study of the structural and functional characteristics of vertebrates tracing the evolution of animals from primitive chordates to mammals. Emphasis is placed on the physical and chemical operations of vertebrates and how these operations contribute to homeostasis. Structural/functional relationships are discussed.

BIOL2022L
COMPARATIVE VERTEBRATE ANATOMY AND PHYSIOLOGY II - LAB
Credits (Min/Max): 0.00/0.00

Laboratory for BIOL20222: Comparative Vertebrate Anatomy and Physiology II

BIOL2025
MICROBIOLOGY
Credits (Min/Max): 3.00/3.00

PREREQUISITE: BIOL1004 AND BIOL1006

An examination of the morphology and physiology of microorganisms with emphasis on their relationship to their environment. Topics include food, water, soil, industrial, and medical microbiology, microbial genetics, and microbial diversity. The laboratory work introduces the student to both the organisms and the techniques necessary to study them. Lecture and laboratory course.

BIOL2025L
MICROBIOLOGY - LAB
Credits (Min/Max): 1.00/1.00

Laboratory for BIOL2025 Microbiology

BIOL3036
BIOCHEMISTRY I (CHEM3036)
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM2015L AND CHEM2015

An introduction to the biochemical metabolism of the living cell. Cellular structure, macromolecules, metabolic pathways, energy transformations, regulatory mechanisms and molecular genetics are discussed. Cross-listed with CHEM3036

BIOL3037
BIOCHEMISTRY I - LAB (CHEM3037)
Credits (Min/Max): 1.00/1.00

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): 3.00/3.00

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*

BIOL4017
BIOSOLVE I
Credits (Min/Max): 4.00/4.00

PREREQUISITE: BIOL1006, BIOL1004, CHEM1004, CHEM1002

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.

BIOL4017L
BIOSOLVE I - LAB
Credits (Min/Max): 0.00/0.00

Laboratory for BIOL4017 BioSOLVE I

BIOL4018
BIOSOLVE II
Credits (Min/Max): 2.00/2.00

PREREQUISITE: BIOL4017, GRADE OF B OR BETTER

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.

BIOL4018L
BIOSOLVE II - LAB
Credits (Min/Max): 0.00/0.00

Laboratory for BIOL4018 BioSolve II

BIOL4030
MOLECULAR BIOLOGY
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM2016L, BIOL1004, BIOL1006, CHEM2016

Molecular Biology is an introduction to the study of selected biological processes from a molecular perspective. Both eukaryotes and prokaryotes will be included. The molecular basis of the biosynthesis of macromolecules, intercellular and intracellular communication, genetics, immunology, infectious diseases and cancer will be discussed.

BIOL4031
MOLECULAR BIOLOGY - LAB
Credits (Min/Max): 1.00/1.00

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.

BIOL4051
INTERNSHIP I - BIOLOGY
Credits (Min/Max): 1.00/6.00

A field experience in which the student works under the direction of a professional in an area related to biology. The student must select a faculty member from the Division of Sciences to serve as the academic supervisor. Students are required to complete 45 hours of field/academic work for each credit hour. The academic supervisor will determine the proportion of fieldwork and academic work requirements. A maximum of 4 credit hours may be used as biology elective credit.

BIOL4056
DIRECTED RESEARCH - BIOLOGY
Credits (Min/Max): 1.00/4.00

An individual investigation in the student's field of interest carried out under the supervision of a faculty member in the Division of Sciences. The student is responsible for defining a problem, planning a course of investigation and reporting his/her results in a scientific paper. A maximum of 4 credit hours may be used as biology elective credit.

BIOL4059
SEMINAR IN BIOLOGY
Credits (Min/Max): 2.00/2.00

PREREQUISITE: CHEM1002 AND BIOL1004

The course consists of meetings for discussion of special topics selected from various areas of scientific investigation of recent or historical origin. Reports are given on results of literature studies.

CHEM1001
GENERAL CHEMISTRY I
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: CHEM1001

A study of the basic principles governing matter, energy and matter-energy interaction. Topics include atomic structure, bonding theory, aggregated states of matter, stoichiometry, thermodynamics, chemical kinetics, chemical equilibrium and electrochemistry.

CHEM1003
GENERAL CHEMISTRY I - LAB
Credits (Min/Max): 1.00/1.00

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): 1.00/1.00

PREREQUISITE: CHEM1003

A series of experiments related to the content of CHEM1002, emphasizing laboratory techniques and familiarization with basic laboratory equipment. Open to all science majors and non-science majors with a strong interest in chemistry or a professional need.

CHEM1006
INTRO TO CHEMISTRY: BRAVING THE ELEMENTS (SLSC)
Credits (Min/Max): 3.00/3.00

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)

CHEM1011
HEALTH ESSENTIALS IN CHEMISTRY
Credits (Min/Max): 3.00/3.00

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.

CHEM2015
ORGANIC CHEMISTRY I
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM1002

A study of the classification and characterization of organic compounds, their preparation, properties and reactions. The application of modern organic theories to these subjects is stressed. Topics include nomenclature, bond theory, stereochemistry, synthesis, mechanisms, and structure determination by instrumental methods. Lecture and laboratory course.

CHEM2015L
ORGANIC CHEMISTRY I - LAB
Credits (Min/Max): 1.00/1.00

Laboratory for CHEM2015

CHEM2016
ORGANIC CHEMISTRY II
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM2015

A study of the classification and characterization of organic compounds, their preparation, properties and reactions. The application of modern organic theories to these subjects is stressed. Topics include nomenclature, bond theory, stereochemistry, synthesis, mechanisms, and structure determination by instrumental methods. Lecture and laboratory course.

CHEM2016L
ORGANIC CHEMISTRY II - LAB
Credits (Min/Max): 1.00/1.00

PREREQUISITE: CHEM2015L
Lab for CHEM2016 Organic Chemistry

CHEM3011
ANALYTICAL CHEMISTRY I

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM1002

A study of the application of theoretical principles to quantitative analysis. The concept of chemical equilibrium is thoroughly discussed. Current analytical techniques are presented both in lecture and laboratory. Topics include the theory and practice of gravimetric analysis, volumetric analysis, spectrophotometric analysis and gas chromatography. Lecture and laboratory course.

CHEM3011L
ANALYTICAL CHEMISTRY I - LAB

Credits (Min/Max): 1.00/1.00

Laboratory for CHEM3011 Analytical Chemistry I

CHEM3012
ANALYTICAL CHEMISTRY II: INSTRUMENTAL METHODS OF ANALYSIS

Credits (Min/Max): 3.00/3.00

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): 1.00/1.00

Laboratory for CHEM3012 Analytical Chemistry II

CHEM3015
POLYMER CHEMISTRY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM2016

A lecture course designed as an introduction to the field of polymer science from its origins to its place in current chemical research. Content will include the synthesis and physical chemistry of the important polymer types, key concepts of macromolecular science, and the role of the journal and patent literature in polymer related research and engineering.

CHEM3026
INORGANIC CHEMISTRY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM2015

This course addresses structure and bonding in inorganic compounds, with an emphasis on the transition metals. It includes an introduction to group theory and related symmetry studies. The spectroscopy of inorganic compounds is also explored. A discussion of semiconductors is included.

CHEM3031
ADVANCED TOPICS IN INORGANIC CHEMISTRY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM3026

This course is intended for chemistry majors and is designed to prepare students for further research in inorganic chemistry, materials science, nanotechnology, renewable energy, or more generally, employment in physical or materials science fields. The course content will include advanced concepts in structure, bonding, chemical/physical properties, and characterization of inorganic compounds, the understanding of which is central to the study of all areas of chemistry.

CHEM3036
BIOCHEMISTRY I (BIOL3036)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM2015 AND CHEM2015L

An introduction to the biochemical metabolism of the living cell. Cellular structure, macromolecules, metabolic pathways, energy transformations, regulatory mechanisms and molecular genetics are discussed. Cross-listed with BIOL3036

CHEM3037**BIOCHEMISTRY I - LAB (BIOL3037)****Credits (Min/Max): 1.00/1.00**

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): 3.00/3.00**

PREREQUISITE: CHEM3036, BIOL3036, CHEM3036H

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

CHEM4032**PHYSICAL CHEMISTRY I****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CHEM2016

A study of the physical properties of matter, the structure of matter and the theories of chemical interactions. Topics include ideal and real gases, liquids, solids, thermodynamics, chemical equilibria, phase equilibria, chemical kinetics, quantum mechanics, atomic and molecular structure and spectroscopic methods. Lecture and laboratory course.

CHEM4032L**PHYSICAL CHEMISTRY I - LAB****Credits (Min/Max): 1.00/1.00**

Laboratory for CHEM4032 Physical Chemistry I

CHEM4033**PHYSICAL CHEMISTRY II****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CHEM4032

A study of the physical properties of matter, the structure of matter and the theories of chemical interactions. Topics include ideal and real gases, liquids, solids, thermodynamics, chemical equilibria, phase equilibria, chemical kinetics, quantum mechanics, atomic and molecular structure and spectroscopic methods. Lecture and laboratory course.

CHEM4033L**PHYSICAL CHEMISTRY II - LAB****Credits (Min/Max): 1.00/1.00**

PREREQUISITE: CHEM4032L

Laboratory for CHEM4033 Physical Chemistry

CHEM4042**PHYSICAL BIOCHEMISTRY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CHEM3038 AND CHEM4032L

An in-depth look at the techniques and theories utilized in studying and interpreting the physical chemistry of biomolecules. Topics covered will include biochemical thermodynamics, mass spectrometry, quantum mechanics and spectroscopy, circular dichroism, absorption and emission spectroscopy, NMR, and chemical equilibria involving macromolecules.

CHEM4051**INTERNSHIP I - CHEMISTRY****Credits (Min/Max): 1.00/6.00**

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): 1.00/1.00**

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): 1.00/6.00**

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.

CHEM4059**SEMINAR IN CHEMISTRY II****Credits (Min/Max): 1.00/1.00**

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.

CMET1001**HUMAN COMMUNICATION (SLSO)****Credits (Min/Max): 3.00/3.00**

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.

CMET1002**MASS MEDIA AND DIGITAL COMMUNICATION****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CMET1001

The subject matter of this course is the history and development of mass communication. The course will include examining the origin, economics, technology, mode of communication, communication effectiveness, social role and future of a variety of communication media including: newspapers, magazines, books, radio, television, film and computer-mediated-communication.

CMET2001**COMMUNICATION IN ORGANIZATIONS****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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.

CMET2005**COMMUNICATION THEORY, RESEARCH AND CRITICISM****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CMET1001

This course is an introduction to the application of theory and research to mass communication including Internet communication. In addition, the course provides a starting point for students in understanding and creating a critical perspective on mass communication through the lens of specific theoretical perspectives.

CMET4001**LEGAL ISSUES OF MEDIA AND DIGITAL COMMUNICATIONS****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: CMET2005

This course overviews the television, radio and cable television industries and the economic, regulatory, technological and legal forces on them. The course also deals with aspects of production in television, radio and cable programming such as newscasts, interviews, advertising, entertainment and public service programming.

CMET4050

SENIOR CAPSTONE

Credits (Min/Max): 3.00/3.00

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 - COMMUNICATIONS, MEDIA & TECH

Credits (Min/Max): 1.00/6.00

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.

CMHC5000

FOU OF CLINICAL MENTAL HEALTH COUNS

Credits (Min/Max): 3.00/3.00

This course is required in order to provide the beginning clinical mental health in counseling student with an opportunity to familiarize themselves with counselors and therapists that are employed in various counseling agencies and counseling practices. It is intended to provide the student with a more realistic orientation to the counseling profession and their academic preparation to enter the profession.

CMHC5010

COUNSELING ACROSS DIVERSE CULTURES

Credits (Min/Max): 3.00/3.00

This course is designed to provide knowledge and skills required of counselors in a multicultural society, to foster personal and professional growth in addition to gaining knowledge of the variety of cultural contexts. Theories and models of multicultural counseling, cultural and disability identity development, and social justice and advocacy will be discussed.

CMHC5020

SOCIAL SYSTEMS IN COUNSELING

Credits (Min/Max): 3.00/3.00

This course is designed to increase counselors' awareness of the variety and complexity of systems, organizations, and groups. An interdisciplinary, social systems and organizational development approach will be utilized to explore and understand system composition, interactions, elements, and processes.

CMHC5030

ETHICAL, LEGAL, AND PROFESSIONAL PRACTICES IN COUNSELING

Credits (Min/Max): 3.00/3.00

This course will focus on the ethical and legal standards of professional counseling organizations, credentialing bodies and applications in specialized practice areas. Emphasis will be on establishing those personal and professional characteristics that enable the counselor to establish and maintain a therapeutic relationship with clients to facilitate a clear counselor identity and uphold the highest ethical standards.

CMHC5040

COUNSELING ACROSS THE LIFESPAN

Credits (Min/Max): 3.00/3.00

This course will broadly survey developmental theories and concepts and applied knowledge from a lifespan perspective. Beginning with conception and continuing through death, emphasis is placed on personal development, family development, and lifespan issues from a counseling perspective. The conceptual framework of the course is rooted in psychosocial theory, integrates various lifespan theories, and covers various aspects of multiple domains of development including cognitive, social, emotional, moral and physical.

CMHC5050

GROUP COUNSELING: THEORY & TECH LAB

Credits (Min/Max): 3.00/3.00

This course is an introduction to group work and specifically group counseling. It is designed to provide future counselors with opportunities to explore basic theoretical and practical concepts regarding the group counseling process, specifically, the behavioral dynamics of groups; the role, essential skills, techniques and methods of group leadership, as well as the historical and theoretical foundations of group work in community mental health and school settings.

CMHC5060
MARRIAGE, COUPLES, FAMILIES COUNSELING AND THERAPY
Credits (Min/Max): 3.00/3.00

This course is an introduction to the field of marriage, couple, and family counseling. An overview of the basic clinical approaches, characteristics, knowledge, and skills required of the counselor in order to provide effective counseling in this area will be reviewed in depth.

CMHC5070
COUNSELING THEORIES AND THERAPEUTIC TECHNIQUES
Credits (Min/Max): 3.00/3.00

This course will present an introduction to, and working understanding of, the historical, philosophical, social, psychological, cultural, economic, and political implications of the counseling profession's common theoretical orientations, and related clinical techniques.

CMHC5080
RESEARCH METHODS, DESIGN AND STATISTICS
Credits (Min/Max): 3.00/3.00

This course is an introduction to descriptive and inferential statistics. Topics addressed include: basic statistical and research concepts, graphical displays of data, measures of central tendency and variability, standardized scores, normal distribution, probability, hypothesis testing, confidence intervals, sampling distributions, correlation, t-tests, non-parametric tests, and one factor analysis of variance.

CMHC5090
PSYCHOTHERAPEUTIC ASPECTS OF HUMAN SEXUALITY
Credits (Min/Max): 3.00/3.00

This course is designed to provide attitudinal training, and counseling experiences for graduate students in the area of human sexuality. This counseling course will address basic concepts of human sexual development and the bio-psycho-sexual dynamics influencing sexual behavior throughout the life cycle. There will be a focus on sexual problems and dysfunctions, along with appropriate therapeutic treatment. This course is a balance of examining one's own personal sexual values and how they affect the counseling relationship, along with didactic information about human sexuality.

CMHC6000
CAREER COUNSELING & VOCATIONAL DEV
Credits (Min/Max): 3.00/3.00

This course identifies the elements of career related theories and models of career development, counseling, and decision-making. This includes an overview of processes for identifying and using career, avocational, educational, occupational, and labor market information resources, technology, and information systems.

CRIM1001
INTRODUCTION TO CRIMINAL JUSTICE
Credits (Min/Max): 3.00/3.00

This introductory course will introduce criminal justice as a system that is an institutional agent of American society. The components of police, courts, and corrections are discussed with the goal of defining their function and purpose and interdependence on one another. The patterns of crime and the processes of the American Criminal Justice System, law enforcement, judicial process, and corrections will be examined. Students will learn the terminology of the field, examine the methods of inquiry used in the field, and learn the objectives, policies and procedures of probation, parole, and prisons as well as some of the issues and problems. CORE CURRICULUM: SOCIAL SCIENCE

CRIM1002
INTERNATIONAL JUSTICE SYSTEMS (SLSO)
Credits (Min/Max): 3.00/3.00

This course introduces and familiarizes the student with the diversity and complexity of a variety of justice systems found throughout the world. Based on history, culture, and other influences, the justice systems of various countries reflect distinctive national priorities, political influences, and forms of government. The debate concerning due process versus crime control is viewed from the international perspective. These issues will be examined through the use of inductive and deductive reasoning. CORE CURRICULUM: GLOBAL PERSPECTIVES

CRIM1003
UNDERSTANDING THE U.S. CONSTITUTION (POLI1003)
Credits (Min/Max): 3.00/3.00

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. CORE CURRICULUM: VALUES & ETHICS

CRIM2010
INTRODUCTION TO CORRECTIONS
Credits (Min/Max): 3.00/3.00

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
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CRIM1001 and ENGL1012 --or-- ENGL1012H

This course examines the process used by analysts to develop strategic intelligence. Students will participate throughout the course as a member of a group tasked to complete an estimative project. Students will learn to apply strategic theory to critical national security problems.

CRIM2016
POLICE AND SOCIETY (SOCL2016)
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CRIM1001

This course reviews current issues and problems in law enforcement and interrelations with the society-at-large and cultural/ethnic sub-groups. It examines informal exercise of police authority or force, governmental/agency policies, legal requirements, role demands, and conflicts experienced by police officers, and the norms of the police sub-culture. Cross-listed with SOCL2016

CRIM2018
PROFESSIONAL RESPONSIBILITY: LEGAL AND ETHICAL CONCEPTS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012, CRIM1001, ENGL1012H

This course examines the existent standards, codes, and laws pertaining to the legal and ethical conduct required of professionals working in the criminal justice and national security fields. Theoretical concepts will be explored, but the course will focus on the application of legal and ethical constructs to the everyday behavior of justice system professionals.

CRIM3005
CONSTITUTIONAL LAW (POLI3005)
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CRIM1003 & ENGL1012 OR ENGL1012H, GRADE OF D+ OR BETTER

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)

CRIM3010
CRIMINAL LAW
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012 OR ENGL1012H

The basic principles of substantive criminal law will be illustrated. Concepts and patterns of criminal law and procedure will be discussed. The elements of specific crimes will be analyzed through case study. Public policy and the legal principles for determining criminal and civil liability will be considered.

CRIM3030
. (SOCL3030)
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012

An examination of the etiology and major theories of criminality, with special reference to the rational choice, routine activity, biological and psychosocial theories of deviance. This course will examine criminal deviance by analyzing both criminal and victim populations, with particular emphasis on crime typology and the analysis of criminal behavior. The responses of the Criminal Justice System and private security experts to criminal behavior from situational crime prevention techniques to correctional treatment methods are explored and discussed. Cross-listed with SOCL3030

CRIM3036
TERRORISM
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012 OR ENGL1012H

This course addresses the historical and current-day development and spread of terrorism. The class investigates the goals of terrorism and the social, political and ideological reasons for the use of terrorism. Counter-terrorist activities and preventive measures are explored. The course will address law enforcement responses to incidents of terrorism.

CRIM3040
CRIME SCENE INVESTIGATION AND FORENSICS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012, CRIM1001

This course introduces the student to basic and advanced procedures employed by crime scene investigators, with the emphasis on the detection, collection, processing and presentation of physical and testimonial evidence. The course also identifies items commonly found at crime scenes and examines their significance as trace and physical evidence used to link a suspect with a crime. Many aspects of the legal and scientific processing, preserving and documenting a crime scene for court presentation will be examined. Theories of information, observation and interrogation as they relate to crime scene investigation will be examined, as well as the ethics of current investigative procedures utilized by modern law enforcement agencies.

CRIM3043
COMPUTER CRIME
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CRIM1001

A comprehensive examination of computer crime, information systems security and cyber law. The investigative process as applied to the cyber criminal will be emphasized. Statutes specific to cyber crime will be studied. Crime prevention strategies and techniques will be presented and applied using the case study method.

CRIM3045
CRIMINAL INVESTIGATIONS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CRIM1001, GRADE OF D+ OR BETTER

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.

CRIM3065
NETWORK ANALYSIS AND CRIME MAPPING
Credits (Min/Max): 3.00/3.00

PREREQUISITE: CRIM2011

Crime analysis is the systematic examination of multi-faceted crime data. The identification, collection, storage, modification and dissemination of crime data enables law enforcement agencies to identify crime trends, patterns, and modus operandi; advise law enforcement administrators about emerging tactical trends; determine long term strategic trends; and improve operational and administrative effectiveness. Criminal analysts should master the ability to write, brief and disseminate findings to law enforcement stakeholders clearly and concisely. This course will provide an overview of these processes. This course will also provide an understanding of network analysis and visual representations of such analyses. Students will also obtain a basic familiarization with crime mapping and GIS (Geographic Information System) concepts and software designed for graphical presentation and analytical discernment.

CRIM4030
COMPUTER FORENSICS INVESTIGATIONS
Credits (Min/Max): 3.00/3.00

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.

CRIM4050
SPECIAL TOPICS IN CRIM:
Credits (Min/Max): 1.00/4.00

CRIM4051
INTERNSHIP I - CRIMINAL JUSTICE
Credits (Min/Max): 1.00/6.00

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): 3.00/3.00

PREREQUISITE: PSYC3011

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.

CSCI1002

INTRO TO COMPUTER SCIENCE

Credits (Min/Max): 3.00/3.00

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 Artificial 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): 3.00/3.00

PREREQUISITE: CSCI1002

This course introduces the art of algorithm design and problem solving in the context of computer programming. The basic structure and logic of the Java language is presented. Topics covered include data types and operators, control flow, repetition and loop statements, arrays and pointers. Good programming practices will be taught and encouraged.

CSCI1010L

PROGRAMMING I - LAB

Credits (Min/Max): 1.00/1.00

Lab work for CSCI1010 Programming I.

CSCI2010

PROGRAMMING II

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CSCI1010.

This course is a follow-on to Programming I. Topics covered include; data structures, file input and output, and other advanced object-oriented programming concepts found in Java.

CSCI2010L

PROGRAMMING II - LAB

Credits (Min/Max): 1.00/1.00

Lab work for CSCI2010 Programming II

CSCI2020

ALGORITHM ANALYSIS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CSCI2010

This course teaches techniques of programming utilizing data structures such as lists, stacks, and queues and algorithmic approaches such as recursion, searching and sorting. These techniques are learned through programming exercises as well as classroom study.N×

CSCI2025

SYSTEMS PROGRAMMING

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CSCI2010

This course will introduce the students to the important systems language,C,and to several topics related to the hardware and software environment. These are issues related to system interfaces and software synchronization provided by operating systems, the linkage of operating system services to application software, and the fundamental mechanisms for computer communications.

CSCI2025L

SYSTEMS PROGRAMMING - LAB

Credits (Min/Max): 1.00/1.00

PREREQUISITE: CSCI2010

This course will provide the hands-on laboratory component to the Systems Programming course which will introduce the students to the important systems language,C,and to several topics related to the hardware and software environment. These are issues related to system interfaces and software synchronization provided by the operating system, the linkage of operating system services to application software, and the fundamental mechanisms for computer communications.

CSCI2035**COMPUTER ORGANIZATION AND DESIGN****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CSCI2025

This course will introduce students to the function and design of digital computers. Topics covered include: Value representation, ALU structure and operation, simple digital electronics, basic assembly language programming, I/O and bus architectures, and complex processor architectures including virtual memory.

CSCI2035L**COMPUTER ORGANIZATION AND DESIGN - LAB****Credits (Min/Max): 1.00/1.00**

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.

CSCI3040**OPERATING SYSTEMS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CSCI2035

This course is an in-depth study of modern operating systems. Students will learn about the services provided by an operating system, how to use these services and how the services are implemented. Topics covered include: Initialization (boot), Processes, Controlling shared resources, Memory, Bulk storage systems, and Network Communications (TCP/IP) as they relate to the computer operating system.

CSCI3042**COMPUTER SECURITY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CSCI1010

This course covers fundamental issues and first principles of security and information assurance. The course will look at the security policies, models and mechanisms related to confidentiality, integrity, authentication, identification, and availability issues related to information and information systems. Other topics covered include basics of cryptography (e.g., digital signatures) and network security (e.g., intrusion detection and prevention), risk management, security assurance and secure design principles, as well as e-commerce security. Issues such as organizational security policy, legal and ethical issues in security, standards and methodologies for security evaluation and certification will also be covered.

CSCI4042**ADVANCED COMPUTER SECURITY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CSCI3042

This course builds upon the foundational principles students have learned in the introductory Computer Security course. It examines the underlying mechanics of the rapidly expanding and essential role that computer security plays in the digital age. Given the rapidly changing nature of this highly technical field, course topics will focus on current issues and applications. In addition, this course includes practical writing assignments and hands-on advanced technical skill building labs.

CSCI4052**INTERNSHIP I -****Credits (Min/Max): 1.00/6.00****CSCI4070****INTRO TO ARTIFICIAL INTELLIGENCE****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: CSCI2020

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.

CSCI4099**CS CAPSTONE EXPERIENCE II****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CSCI4098

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.

DNAP7000

MEDICAL STATISTICS

Credits (Min/Max): 3.00/3.00

This course comprises the three major subject areas of a traditional statistics course, namely, descriptive statistics, probability, and inferential statistics. As regards the first two areas, it primarily reviews and reinforces them, although extending them in certain selected respects. The focus of the course is twofold: in extending and deepening the students' knowledge of inferential techniques such as of comparing two means or two proportions, the chi-square test for two-way tables, inference for regression, two-way Analysis of Variance, nonparametric tests, and/or multiple and logistic regression; and in demonstrating relevance of the subject of statistics to the exploration of health and disease. The use of Microsoft Excel and/or statistical software will facilitate the study of practical problems in health and illness care. This course is a three-credit, one-semester course required for DNAP students.

DNAP7001

EVALUATION AND DECISION MAKING FOR HEALTH CARE PROGRAMS

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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.

DNAP7009

MEDICAL PHYSICS

Credits (Min/Max): 3.00/3.00

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): 1.00/1.00

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): 3.00/3.00

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): 4.00/4.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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

PROF ASPECTS OF ANESTHESIA

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 1.00/1.00

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): 1.00/1.00

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): 3.00/3.00

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): 4.00/4.00

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): 3.00/3.00

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): 1.00/1.00

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): 3.00/3.00

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): 2.00/2.00

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): 1.00/1.00

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): 3.00/3.00

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): 2.00/2.00

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): 2.00/2.00

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): 3.00/3.00

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): 2.00/2.00

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): 2.00/2.00

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): 3.00/3.00

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): 2.00/2.00**

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. ANESTHESIA PRINCIPLES VI****Credits (Min/Max): 3.00/3.00**

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.

DNPR7000**HEALTHCARE STATISTICS****Credits (Min/Max): 3.00/3.00****DNPR7003****HEALTH POLICY & HEALTH CARE ECONOMICS****Credits (Min/Max): 3.00/3.00****DNPR7004****SYSTEMATIC LEADERSHIP II****Credits (Min/Max): 3.00/3.00****DNPR7005****EDUCATIONAL CONCEPTS & PRACTICES IN HIGHER EDUCATION****Credits (Min/Max): 3.00/3.00****DNPR7006****DOCTORAL PRACTICUM I****Credits (Min/Max): 2.00/2.00****DNPR7007****DOCTORAL PRACTICUM II****Credits (Min/Max): 3.00/3.00****DNPR7008****DOCTORAL PRACTICUM III****Credits (Min/Max): 2.00/2.00****DNPR7024****SCHOLARLY WRITING****Credits (Min/Max): 1.00/1.00****DSGN1013****INTRO TO PHOTOGRAPHY (SLAE)****Credits (Min/Max): 3.00/3.00**

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)

DSGN2001**THE CREATIVE PROCESS (COMM)****Credits (Min/Max): 3.00/3.00**

The creative process is the process of change, of development, of evolution in the organization of subjective life—whether individually or within a community/society. This course provides students with an interactive educational journey toward the understanding that creative thinking is not an option in today's world, but a survival skill—regardless of academic discipline or career path. Through identification, investigation, application, and analysis of various creative thinking techniques, students will gain the knowledge and confidence required to actively engage in positive approaches for solving problems.

DSGN2002

ART IN EVERYDAY LIFE (SLAE)

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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 (raster 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.

DSGN2010

DESIGN THINKING

Credits (Min/Max): 3.00/3.00

Design thinking teaches various research, synthesis, and iterative design techniques which focus on human and user-centered problem solving. Students will learn how to understand and define a design problem in a framework of thinking that inspires solutions generated with informed creativity. Students will grasp various techniques for brainstorming, prototyping, and problem solving that focus the users' needs to the core of the design process.

DSGN4051

INTERNSHIP I - DESIGN STUDIES

Credits (Min/Max): 1.00/6.00

DSGN4055

CAPSTONE IN DESIGN STUDIES

Credits (Min/Max): 3.00/3.00

This course centers on the development of a capstone project. In consultation with faculty and peers, students will create a content-driven project that demonstrates their ability to identify, research, self-author and implement within the identified problem space. The outcome can be solution oriented or a scholarly analytical work about design. The course will culminate with a final professional presentation.

EAPP0100

ORAL ACADEMIC DISCOURSE

Credits (Min/Max): 6.00/6.00

Academic Oral Discourse Comprehension and Fluency is the first of a two-course sequence on academic oral discourse. This course introduces pronunciation strategies and techniques to comprehend English speech and improve the clarity and fluency of spoken English. During the course, students develop their oral communication skills for speech talks and pair/group interactions in academic and professional settings. The course focuses on prosodic features such as phrase stress, intonation, connected speech phenomena, and rhythm as well as individual consonant and vowel sounds. The students will also develop their listening comprehension of academic talks through activities that bring awareness of how speakers use prosodic and discourse markers to convey their intended meanings and highlight key information. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement in the Pathway Program through La Roche University's academic placement test.

EAPP0101

CRITICAL DISCUSS. OF ACADEMIC TEXTS

Credits (Min/Max): 6.00/6.00

Critical Discussions of College Reading Materials is the first course of a two-course sequence focusing on reading academic texts critically and writing in response to texts. It offers advanced-level readers intensive practice with reading and writing tasks in various writing genres involving familiar and unfamiliar topics. It provides ample opportunities to develop students' reading speed, vocabulary-building and reading strategies, and their ability to comprehend college content reading materials in depth and independently. Purposefully selected reading tasks enhance students' understanding of complex structures and help improve their summarizing, synthesizing, and inferring skills. Students also engage in critical oral and written discussions of college texts, thereby also enhancing their critical thinking, argumentative, written, and oral skills. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement in the Pathway Program through La Roche University's academic placement test.

EAPP0102
WRITTEN COMMUNICATION
Credits (Min/Max): 3.00/3.00

Written Communication Skills for Academic Purposes is the first course of a two-course sequence focusing on developing linguistic competencies essential for academic writing. This course covers the processes and practice of formal audience writing. It focuses on developing a clear thesis statement, writing concisely and with grammatical accuracy, revising, editing, and adopting writing for different purposes. Key components of academic discourse, such as academic integrity, organizational strategies, and professional expectations are also included. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement in the Pathway Program through La Roche University's academic placement test.

EAPP0110
ADV WRITTEN COMMUNICATION
Credits (Min/Max): 3.00/3.00

Advanced Structures is the second course of a two-course sequence focusing on developing sophisticated linguistic competencies essential for academic work across disciplines. Students will analyze and implement complex grammatical structures found in authentic academic texts, with emphasis on hedging devices, reporting verbs, back-shifting verb forms, and advanced syntactical patterns. Through intensive engagement with scholarly articles and academic writing tasks, students will enhance their ability to process and produce higher-level academic discourse in both written and spoken forms. The course integrates advanced academic vocabulary development, rhetorical strategies, and discipline-specific conventions while providing opportunities to work with research-based materials from various academic fields. Pre-requisites: EAPP 0102 or placement in the Pathway Program through La Roche University's academic placement test.

EAPP1010
ORAL COMMUN & PUBLIC SPEAKING
Credits (Min/Max): 6.00/6.00

EAPP1011
CRITICAL INQUIRY & RESEARCH WRITING
Credits (Min/Max): 6.00/6.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire necessary Speaking and 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 Service (ETS).

EDDE5010
Intro to Deaf Education, IEPs & Apprenticeship I
Credits (Min/Max): 3.00/3.00

This introductory course will help students develop an understanding of Deaf Culture, the historical, philosophical, linguistic, legal, sociological, and educational aspects of the Deaf and Hard-of-Hearing Community. The student will be introduced to IEPs, become familiar with collaboration, write reflections based on current issues/trends in deaf education, and comprehend the special education continuum of services available to the identified students. In the GUIDE program, the pre-student teaching/clinical experience has been incorporated within the apprentice hours and competencies within Apprenticeship I.

EDDE6010
APPRENTICESHIP II & SEMINAR
Credits (Min/Max): 3.00/3.00

Per the PA Department of Education (PDE), candidates seeking PA teacher certification must successfully complete a pre-student teaching experience. Prestudent teaching is designed to involve the teacher candidate in the various aspects of classroom teaching, methodology, pedagogy, curriculum/standards, and classroom management. In the GUIDE program, the pre-student teaching/clinical experience has been incorporated within the apprentice hours and competencies within Apprenticeship II (633 hours). The field/OTJ hours will be completed at the various educational settings within DePaul School for Hearing & Speech (pre-school, K-8 classrooms, itinerant public school placements PK-12). The candidates/apprentices will have the opportunity to employ reflective decision making when planning, implementing, and assessing learning of students who are deaf/hard of hearing in an actual school environment. In addition, teacher candidates/apprentices will become aware of the managerial, record keeping, and professional aspects of teaching in diverse classroom settings. During pre-student teaching/Apprenticeship II, candidates/apprentices will move through four basic learning experiences: observation, one-to-one tutoring or instruction, small group instruction, and whole class or whole group instruction. Candidates/apprentices meet face-toface/online/virtually weekly in seminars.

EDDE6045**- RMU: TRANSITIONING****Credits (Min/Max): 3.00/3.00**

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (SDIN6045)

This course examines policies, trends, educational practices, and societal perspectives related to transition of students with disabilities. This course explores transition planning from school to community living, post-secondary education, and employment. Curriculum and strategies will be investigated in order to maximize academic, social, and functional skills of individuals with disabilities across the life span.

EDDE6060**- RMU: CURRICULUM DES & ASSESSMENT****Credits (Min/Max): 3.00/3.00**

COURSE IS TAUGHT AT ROBERT MORRIS UNIVERSITY (EDUC6060)

This course focuses on the development of effective, practical techniques for establishing curricula for use in a standards-based education environment. The course examines the theoretical dimensions of curriculum development. Topics such as taxonomies, objectives, and lesson planning are addressed to show their connection to curriculum development and outcomes-based educational planning efforts. Assessment related topics such as reliability and validity of assessments, constructing classroom tests, constructing performance tasks and scoring rubrics, formative assessment in the classroom, and the uses and interpretation of test results will be addressed. Major requirements of the course include departmental field experiences and the development of a curriculum proposal that focuses on a topic related to the student's day-to-day classroom teaching.

EDEL2000**FOUNDATIONS OF EARLY CHILDHOOD EDUCATION****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER

This course will focus on the foundations of PreK-4 education and explore the different learning environments that are optimal for young children. Students will gain insight into the philosophy and objectives of the PreK-4 curriculum and be introduced to theories and instructional strategies that can be used in teaching the various subject areas. The course will provide an overview of relevant content for educating students from preschool through grade four.

EDEL4075**STUDENT TEACHING & SEMINAR (PK-4)****Credits (Min/Max): 6.00/6.00**

PREREQUISITE: EDUC4005, GRADE OF C OR BETTER

This course provides PreK-4 teacher candidates with the opportunity to incorporate various strategies and techniques learned from the methods courses to implement effective instruction for all learners during an eight-week supervised student teaching placement in a PreK-4th grade classroom. Under the direct supervision of a cooperating teacher and a university supervisor, the student teacher will have the opportunity to teach in all the subject areas and demonstrate the instructional practices and methods related to the developmental level of their students, based on a standards aligned system. The student teacher will reflect on their experiences and participate in student teaching seminars.

EDML2000**FOUNDATIONS OF MIDDLE LEVEL EDUCATION****Credits (Min/Max): 1.00/1.00**

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.

EDML4050**ML STUDENT TEACHING (GRADES 4-6)****Credits (Min/Max): 6.00/6.00**

PREREQUISITE: EDML4010 AND EDUC4005, GRADE OF C OR BETTER

During this portion of student teaching, middle level education majors will be placed in a 4th-6th grade setting, and may be expected to teach any subject area (science, mathematics, language arts, or social studies) for approximately seven weeks. Student teachers will be expected to demonstrate instructional strategies that capitalize on the developmental characteristics of young adolescents and to design successful interventions responsive to the needs of individual middle level students. Student teachers will be supervised by a cooperating teacher and a LRU supervisor, and will be expected to participate in collaborative team building opportunities. Part of the student teaching experience will also include an on campus student teaching seminar, where topics such as certification requirements, school law, and interviewing strategies will be presented.

EDML4055**ML STUDENT TEACHING (GRADES 7-8)****Credits (Min/Max): 6.00/6.00**

PREREQUISITE: EDML4010 AND EDUC4005, GRADE OF C OR BETTER

During this portion of student teaching, middle level education majors will be placed in a 7th-8th grade setting within their content specialty (science, mathematics, language arts, or social studies) for approximately seven weeks. Student teachers will be expected to demonstrate their deep content knowledge as they apply instructional strategies that capitalize on the developmental characteristics of young adolescents and to design successful interventions responsive to the needs of individual middle level students. Student teachers will be supervised by a cooperating teacher and a LRU supervisor, and will be expected to participate in collaborative team building opportunities. Part of the student teaching experience will also include an on campus student teaching seminar, where topics such as certification requirements, school law, and interviewing strategies will be presented.

EDSP2015

INTRO TO HIGH INCIDENCE DISABILITIES

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER

This course will introduce students to behavior and misbehaviors of students in the school setting, types of misbehavior roles, establish a classroom management plan that will reflect their consideration of students with disabilities, problem solving, conflict resolution, assessing appropriate and problematic behaviors while establishing opportunities for students with diverse backgrounds to interact and share in cooperative learning groups, problem solving to achieve common goals. "Application Models" will be the framework used to demonstrate the approaches used by pioneers as well as 21st century researchers and educators.

EDSP3010

LITERACY INSTRUCTION AND INTERVENTIONS FOR DIVERSE

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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

EFF INSTRUCT STRAT STUDE DISABILITIES

Credits (Min/Max): 3.00/3.00

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER

The Instructional Strategies Course identifies and implements instructional strategies for all individuals with disabilities by evidenced-based methods, specialized resources, multiple instructional approaches, appropriate adaptations and technology, integrating student initiated learning opportunities and experiences into ongoing instruction. Teach learning strategies and modify the pace of instruction within and across curricula, demonstrate efficient differentiated instruction, efficient planning, coordination, and delivery for effective instruction required for inclusive settings.

EDSP3035

SPECIAL EDUCATION PRACTICUM

Credits (Min/Max): 2.00/2.00

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER

This course provides a special education field experience placement and seminar based on the Effective Instructional Strategies course. The student will be assigned a class or a small group of students where he/she will create and implement lessons weekly according to the student's 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.

EDSP3040**EVALUATION AND ASSESSMENT****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER

This required course for all education majors will explore the instructional purposes for a variety of assessment strategies, such as: authentic, screening, diagnostic, formative, benchmark, and summative assessments. Future teachers will learn how to interpret assessment data, such as standardized test scores and norms, and will practice how to communicate assessment results to educational stakeholders, while considering legal and ethical issues related to assessment data, such as maintaining confidentiality. Future teachers will also create sample assessments that target academic standards and assessment anchors within subject areas, in order to measure mastery of the curriculum in more than one way.

EDSP4010**TRANSITION PLANNING FOR SECONDARY STUDENTS WITH****Credits (Min/Max): 2.00/2.00**

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****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: EDSP2015, GRADE OF C OR BETTER

The focus of this culminating course is to prepare the student teacher with a realistic overview of teaching special education in Pennsylvania. The student will create an IEP, become familiar with Inclusion and collaboration, write reflections based on current issues/trends in special education, participate in discussions, create useful artifacts, discuss significant court cases, and understand Transition. The student will also comprehend the special education continuum of services available to the identified student.

EDSP4070**SPECIAL EDUC STUDENT TEACH (PK-12) & SEMINAR****Credits (Min/Max): 6.00/6.00**

PREREQUISITE: EDSP4015, GRADE OF C OR BETTER

The Special Education Student Teaching Course is designed to allow teacher candidates an opportunity to apply skills learned in professional practice, human development, learning environments, instructional strategies, instructional planning, diversity, adaptations and accommodations, collaboration, behavior management, assessment, and transition in a 7-12 grade special education placement. Under the supervision of a school district cooperating teacher(s) and a La Roche University supervisor, the teacher candidate will design, implement and evaluate lessons that appropriately address the IEP goals and meet the PA Academic Standards and Assessment Anchors. Student teachers will demonstrate skills that include, but are not be limited to: differentiated instruction, universal design, collaborative teaching, transition planning and research based data driven instruction to meet the needs of all students.

EDSP5010**CONTEMPORARY ISSUES IN EDUCATION AND INCLUSIVE PRACTICES****Credits (Min/Max): 3.00/3.00**

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 educational 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.

EDSP5020**ASSESSMENT FOR DATA BASED INSTRUCTION****Credits (Min/Max): 3.00/3.00**

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).

EDSP6010**LITERACY INSTRUCTION FOR DIVERSE LEARNERS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: EDSP5020, GRADE OF C OR BETTER

This graduate course focuses on how processing differences affect literacy, and how to provide the explicit, systematic instruction needed by diverse learners. The course will provide research-based recommendations for instruction in writing and the five essential components of reading as well as measures to assess and monitor students' progress. MAT candidates will learn to evaluate instructional effectiveness and adapt instruction, how to differentiate instruction for diverse groups of students, and how to provide differentiated instruction through a Response to Intervention and Instruction (RTII) model. Practice opportunities will be provided for application of course concepts.

EDUC1010
INTRO TO EDUCATION AND FIELD EXPERIENCE
Credits (Min/Max): 3.00/3.00

This course is designed to deepen understanding of the professional world of education and recognize the responsibilities of an effective and ethical educator. Students will become familiar with the teacher expectations outlined in the PA Code of Professional Practice and Conduct for Educators and the PA Educator Discipline Act. Completing observations in diverse classrooms and school settings will provide students the opportunity to connect course topics to real-world teaching. Throughout the course, students will be encouraged to reflect upon their decision to become a teacher by explaining how their learning will impact their future pedagogy

EDUC2000
SUPPORTING MULTILINGUAL LEARNERS IN THE CLASSROOM
Credits (Min/Max): 3.00/3.00

This course is intended for students seeking Pennsylvania teaching certification. The course focuses on the skills and competencies required to effectively communicate, teach, and advocate for students whose first language is not English. Teacher candidates will examine the role of culture in the learning process and apply second language acquisition research to best practices for instruction and assessment. Furthermore, teacher candidates will identify issues and resources for best supporting multilingual students and their families within the school setting.

EDUC2010
INITIAL FIELD EXPERIENCE
Credits (Min/Max): 2.00/2.00

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER

This initial field experience course will provide students with the opportunity to observe and reflect on elements within various classroom environments. This experience will allow the student to interact with the learners in a variety of ways, develop knowledge of effective educational practices, and demonstrate professionalism in an educational setting. Seminars will be included with this course in which students will assess, evaluate, and discuss the field experience.

EDUC2015
INTEGRATING THE ARTS THROUGH CURRICU
Credits (Min/Max): 1.00/1.00

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER

This course will present strategies and teaching techniques for integrating the arts throughout the curriculum. Students will develop an understanding of elements and principles of the arts. Students will consider how a classroom environment can support the arts and humanities.

EDUC2020
TEACHING SOCIAL STUDIES
Credits (Min/Max): 3.00/3.00

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER

This class focuses on effective instructional strategies for teaching social studies in an inclusive classroom. Students will become familiar with the learning standards and thematic strands of social studies identified by the National Council for the Social Studies, which include the disciplines of geography, history, economics, and civics and government. Emphasis will be on organizing subject matter and translating it to children through a variety of instructional methods. An integral part of the course will be a field experience placement, which will allow the student to connect theory to practice.

EDUC2030
INTEGR HEALTH & WELLNESS IN CURRICU
Credits (Min/Max): 1.00/1.00

PREREQUISITE: EDUC1010, GRADE OF C OR BETTER

This course will present strategies and teaching techniques for integrating health, safety and physical activity throughout the curriculum. Students will develop an understanding of the elements and principles of health and wellness. Students will consider how a classroom environment can support the physical, motor and social-emotional development of children.

EDUC3005
PRIMARY LITERACY METHODS AND PRACTICUM
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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 METH & PRACTI
Credits (Min/Max): 3.00/3.00

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
INTERM MATH METHODS & PRACTICUM
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

This course is designed to prepare teacher candidates for student teaching and employment in the field of education. Teacher candidates will finalize professional documents, engage in professional development, identify school, district, and community resources, participate in service learning, and research best practices to set professional goals. Assignments will provide an opportunity to share information with multiple stakeholders to support families and children in meaningful and culturally responsive ways. Teacher candidates will demonstrate aspects as outlined in the PA Code of Professional Practice and Conduct for Educators, the PA Educator Discipline Act and the MCEE Code of Ethics.

EDUC4051
INTERNSHIP
Credits (Min/Max): 1.00/6.00

EDUC5000
CHARACTERISTICS OF EFFECTIVE MIDDLE LEVEL INSTRUCTION
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

The purpose of this graduate course is to prepare MAT candidates to create and maintain supportive learning environments that promote the healthy development of all adolescents. This course will focus on effective adolescent behavior strategies and appropriate organizational techniques for the classroom. Diversity seminars are included in this course to help future teachers reflect on their own cultural lens and facilitate culturally relevant learning experiences.

EDUC6000
INSTRUCTIONAL STRATEGIES ACROSS THE DISCIPLINES
Credits (Min/Max): 3.00/3.00

PREREQUISITE: EDSP5020, GRADE OF C OR BETTER

This graduate course provides an in-depth exploration of evidence-based instructional strategies, including the use of technology and other classroom materials, across the core disciplines of language arts, mathematics, science, and social studies. MAT candidates will design lessons to motivate students within the context of each subject and will create learning opportunities that reflect an understanding of adolescent development.

EDUC6025
PROFESSIONALISM AND ACTION RESEARCH
Credits (Min/Max): 3.00/3.00

COREQUISITE: EDUC6050

This graduate course is intended as a co-requisite for student teaching in the 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.

ENGL1001
COLLEGE READING
Credits (Min/Max): 3.00/3.00

This course is designed to teach students fundamental practices for academic reading.

ENGL1011
ACADEMIC READING AND WRITING
Credits (Min/Max): 3.00/3.00

This course engages students in reading and writing practices essential to academic life, including critical reading, writing in response to texts, revision, and editing.

ENGL1011H
ACADEMIC READING AND WRIT - HONORS
Credits (Min/Max): 3.00/3.00

This course engages students in reading and writing practices essential to academic life, including critical reading, writing in response to texts, revision, and editing. As this is an Honors course, the schedule of reading and writing assignments is more challenging than the standard composition course in terms of both pace and content. In keeping with the Honors curriculum guidelines, this course also integrates one or more elements of the La Roche University mission (Global, Intercultural, or Social Justice focus) into its core reading and writing objectives.

ENGL1012
ACADEMIC WRITING AND RESEARCH
Credits (Min/Max): 3.00/3.00

Prerequisite: ENGL1011. This course engages students in reading, writing and research practices essential to academic life, including developing a project for a research paper, searching for authoritative materials to use in that project, and presenting it in an edited paper that follows academic conventions of documentation and citation.

ENGL1012H
ACADEMIC WRITING AND RES - HONORS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1011 OR ENGL1011H, GRADE OF C OR BETTER

This course engages students in reading, writing and research practices essential to academic life, including developing a project for a research paper, searching for authoritative materials to use in that project, and presenting it in an edited paper that follows academic conventions of documentation and citation. As this is an Honors course, the schedule of reading and writing assignments is more challenging than the standard composition course in terms of both pace and content. In keeping with the Honors curriculum guidelines, this course also integrates one or more elements of the La Roche University mission (Global, Intercultural, or Social Justice focus) into its core reading and writing objectives.

ENGL2004
TOLKIEN
Credits (Min/Max): 3.00/3.00

This course emphasizes the careful reading of works of literature by the author J. R. R. Tolkien. Issues to be covered include Tolkien's theories of the fantastic; the mythology underlying his works; the historical contexts in which he wrote; the major themes of his writing; and the enduring influence of his art. The course serves as an introduction to the study of literature for all majors, as well as an opportunity for English majors to expand their knowledge of a major figure in twentieth-century British literature.

ENGL2021
WORLD LITERATURE I (SLLT)
Credits (Min/Max): 3.00/3.00

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)

ENGL2029
BUSINESS COMMUNICATIONS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012 OR ENGL1012H

This course is designed to teach students best practices in both written and oral business communication. Types of communications include: business letters, emails, reports, executive summaries, cover letters, resumes, PowerPoint presentations, and the job interview.

ENGL2030
TECHNICAL WRITING
Credits (Min/Max): 3.00/3.00

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.

ENGL2035
MORAL OF THE STORY
Credits (Min/Max): 3.00/3.00

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.

ENGL2035H
MORAL OF THE STORY - HONORS
Credits (Min/Max): 3.00/3.00

This course addresses prominent ethical issues and controversies found in world literary texts. The nature of the course is interdisciplinary in that it offers students a fundamental grounding in both Philosophical Ethics and World Literature. Students are introduced to classic and contemporary literature by renowned authors. From various works, students then investigate the most critical ethical issues evoked within the texts. This is accompanied by an examination of basic philosophical theories and principles in moral reasoning as they pertain to the relevant ethical issues.

ENGL2036
AMERICAN MULTICULTURAL LIT (SLLT)
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

A course designed to stimulate writing in prose and poetry, with emphasis on readings and exercises in craft.

ENGL2043
FILM ANALYSIS: FORM, HISTORY, IDEOLOGY
Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012 OR ENGL1012H

This course will introduce students to the terminology, methodologies, and practice of cinematic analysis. We will approach films as complex, multi-layered texts that can be viewed through diverse, intersecting lenses; beginning with an examination of the form principles of film, we will progress to a consideration of film as historical, cultural, and ideological product, one that both shapes and is shaped by the beliefs and practices of the cultures in which it is generated. Class time will be divided between film viewing and film analysis, the ultimate purpose of the course being to prepare students to become active, critical viewers of film.

ENGL3018**DRAMATIC LITERATURE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012 OR ENGL1012H

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.

ENGL3023**SHAKESPEARE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012H OR ENGL1012

The reading and analysis of Shakespearean drama. Plays studied may include A Midsummer Night's Dream, Richard II, Measure for Measure, Henry IV, Much Ado About Nothing, As You Like It, Twelfth Night, Othello, King Lear, Macbeth, and The Winter's Tale.

ENGL3031**JOURNALISM I****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: ENGL3031

This is an advanced course in newspaper writing, focusing primarily on the production of a variety of news stories. Special emphasis is placed on research, interviewing and advanced reporting skills.

ENGL3042**WRITING FOR NON-PROFITS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1011 AND ENGL1012 (OR ENGL1011H AND ENGL1012H)

This course is designed to teach the basic principles of public relations and grant writing for non-profit organizations, combining both theory and practice.

ENGL3045**WRITING FICTION****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1011 AND ENGL1012 (OR ENGL1011H AND ENGL1012H)

This special topics course enables students to develop the craft of fiction-writing. Subjects to be covered include audience, point of view, characterization, world-building, story arc, dialogue, editing/revising, and publication. Students will develop works of fiction with the support of a publishing writer and the other members of the workshop, and will be provided guidance in submitting polished works for possible publication.

ENGL3051**PUBLICATION DESIGN****Credits (Min/Max): 3.00/3.00**

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.

ENGL4035**PORTFOLIO PRODUCTION WORKSHOP****Credits (Min/Max): 3.00/3.00**

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.

ENGL4051**INTERNSHIP I - ENGLISH****Credits (Min/Max): 1.00/6.00**

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.

ENGL4055**SEMINAR IN PUBLICATION****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012 OR ENGL1012H

This senior capstone course equips students with the tools, practices, and habits of mind of the publishing writer. Students will develop a written work in their preferred genre—short fiction, poetry, literary scholarship, creative nonfiction, journalistic prose, etc.—and seek publication in an appropriate market. While attaining publication is not a requirement of the course, students will use the process to acquire familiarity with the resources, strategies, and standards fundamental to publication in their chosen field.

ESLN0090

HIGH BEGINNER READING++

Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Novice-High” to “Intermediate-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University’s ESL placement test.

ESLN0091

HIGH BEGINNER WRITING++

Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Novice-High” to “Intermediate-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University’s ESL placement test.

ESLN0092

HIGH BEGINNER SPEAKING++

Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Novice-High” to “Intermediate-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University’s ESL placement test.

ESLN0093

HIGH BEGINNER GRAMMAR++

Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Novice-High” to “Intermediate-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University’s ESL placement test.

ESLN0094

HIGH BEGINNER LISTENING++

Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire listening skills in English as a Second Language at the “Novice-High” to “Intermediate-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their listening skills through practice with level-appropriate listening activities, prepared and authentic listening texts, discussions on related topics, and Internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: Beginner ESL courses (ESLN0085, ESLN0086, ESLN0087, ESLN0088, and ESLN0089) or placement through La Roche University’s ESL placement test.

ESLN0100

INTERMEDIATE READING++

Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

ESLN0101**INTERMEDIATE WRITING++****Credits (Min/Max): 4.00/4.00**

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. Instruction also includes a focus on drafting, editing, and proofreading texts. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

ESLN0102**INTERMEDIATE SPEAKING++****Credits (Min/Max): 4.00/4.00**

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

ESLN0103**INTERMEDIATE GRAMMAR++****Credits (Min/Max): 4.00/4.00**

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

ESLN0104**INTERMEDIATE LISTENING++****Credits (Min/Max): 4.00/4.00**

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop listening skills in English as a Second Language at the “Intermediate-Low” to “Intermediate-High” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Services (ETS). Students will increase their listening skills through practice with level-appropriate listening and note-taking activities, authentic listening texts, discussions on related topics, and Internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: High-Beginner ESL courses (ESLN0090, ESLN0091, ESLN0092, ESLN0093, and ESLN0094) or placement through La Roche University’s ESL placement test.

ESLN0105**HIGH INTERMEDIATE READING++****Credits (Min/Max): 4.00/4.00**

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

ESLN0106**HIGH INTERMEDIATE WRITING++****Credits (Min/Max): 4.00/4.00**

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. Instruction also includes a focus on drafting, editing, and proofreading texts. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

ESLN0107**HIGH INTERMEDIATE SPEAKING++****Credits (Min/Max): 4.00/4.00**

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

ESLN0108
HIGH INTERMEDIATE GRAMMAR++
Credits (Min/Max): 4.00/4.00

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

ESLN0120
HIGH INTERMEDIATE LISTENING++
Credits (Min/Max): 4.00/4.00

This course is a proficiency-based language program designed to provide maximum opportunities for students to acquire listening skills in English as a Second Language at the “Intermediate-High” to “Advanced-Low” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their listening skills through practice with level-appropriate listening and note-taking activities, authentic listening texts, discussions on related topics, and Internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: Intermediate ESL courses (ESLN0100, ESLN0101, ESLN0102, ESLN0103, and ESLN0104) or placement through La Roche University’s ESL placement test.

ESLN1009
ADVANCED READING
Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire reading skills in English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will increase their reading skills through maximum exposure to level-appropriate target-language readings of fiction and non-fiction texts, intensive vocabulary study, and reading skills development activities. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

ESLN1010
ADVANCED WRITING
Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire writing skills in English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their writing skills through writing and in-depth analyses of topics and level-appropriate texts. Careful attention will be given to the correct use of rhetorical and cohesion devices, grammatical sentence/paragraph structures, and writing strategies. Instruction also includes a focus on writing for different genres, and drafting, editing, and proofreading texts. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

ESLN1011
ADVANCED SPEAKING
Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire speaking skills in English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). Students will develop their speaking skills through engagement in level-appropriate role-playing scenarios, individual and group presentation activities, whole-class and small group discussions, and other speaking tasks. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

ESLN1012
ADVANCED STRUCTURES OF ACADEMIC ENGLISH
Credits (Min/Max): 4.00/4.00

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to acquire the grammar skills necessary to read, write, speak, and understand English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Service (ETS). This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

ESLN1030**ADVANCED LISTENING****Credits (Min/Max): 4.00/4.00**

This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop listening skills in English as a Second Language at the “Advanced-Low” to “Advanced-Mid” levels on the national scale as established by the American Council on the Teaching of Foreign Languages (ACTFL) and the Educational Testing Services (ETS). Students will increase their listening skills through practice with level-appropriate listening and note-taking activities, authentic listening texts, discussions on related topics, and internet and multimedia resources. This course does not apply toward graduation credit requirements. Pre-requisites: High-Intermediate ESL courses (ESLN0105, ESLN0106, ESLN0107, ESLN0108, and ESLN0120) or placement through La Roche University’s ESL placement test.

EXSP3005**MOTOR LEARNING, CONTROL AND DEVELOPMENT (HSCU3005)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021, BIOL1024, BIOL1024L

This course is designed to introduce students to the theoretical differences and application in motor skill development across the life span. Topics will include motor learning, motor control and motor development experienced during growth and development and used in physical activity, exercise, and sport performance. (HSCU3005)

EXSP3007**BIOMECHANICS (HSCU3007)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: MATH1010, BIOL1024, BIOL1024L

This course is a study of the science of human movement and will provide students the understanding and analysis of structure and mechanical functioning of human movement and motor skills used for physical activity, exercise, and sports performance. Cross-listed with HSCU3007

EXSP3025**EXERCISE PHYSIOLOGY AND SPORTS NUTRITION (HSCU3025)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: BIOL1024 AND BIOL1024L

This course is designed to introduce students to the basic principles Sports Nutrition and Exercise Physiology with an emphasis on wellness promotion throughout life.

EXSP3025L**EXERCISE PHYSIOLOGY - LABORATORY****Credits (Min/Max): 1.00/1.00**

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): 3.00/3.00**

PREREQUISITE: HSCU3025 AND EXSP3025

This class will provide students an opportunity to learn in both lecture and hands-on approaches about a variety of common fitness tests related to cardiovascular and muscular fitness and flexibility. Students will also learn the principles of exercise prescription for healthy adults, and modifications for apparently healthy children and older adults. Cross-listed with HSCU3030

EXSP4005**CLINICAL EXERCISE PHYSIOLOGY (HSCU4005)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: HSCU3025, EXSP3007, EXSP3025, EXSP3007

This course will provide students the knowledge base to understand the impact and limitations of chronic disease and special populations on activities of daily living (ADL), physical activity, and exercise. Students will be able to assess, evaluate, and prescribe individual exercise protocols to individuals diagnosed with conditions such as heart disease, hypertension, obesity, diabetes, respiratory disorders, asthma, arthritis, and cancer. Cross-listed with HSCU4005

EXSP4051**INTERNSHIP I - -EXERCISE & SPORTS SCIENCE****Credits (Min/Max): 1.00/6.00****EXSP4052****INTERNSHIP II - - EXERCISE & SPORTS SCIENCE****Credits (Min/Max): 1.00/6.00**

EXSP4055
EXERCISE SCIENCE CAPSTONE
Credits (Min/Max): 2.00/2.00

FILM1020
FILM PRODUCTION I
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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.

FILM2030
FILM PRODUCTION II
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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
DIGITAL CONTENT CREATION
Credits (Min/Max): 3.00/3.00

This course prepares students to utilize the tools of storytelling and visual structure to create digital content across media platforms. Looking for and creating an audience, using creative and quality means of expression, using social media for promotion, monetizing content, and evaluating products will be covered as part of the class. Students will explore different social media platforms, and analyze how to produce content for them, and pivot to new emerging mediums. Students will create a complementary platform of social media, including Instagram and a YouTube Channel as part of the class experience. Students will develop skills in media production, behavioral studies, and digital storytelling so they can develop engaging digital content for a range of platforms.

FILM2045
INTRO TO SCREENWRITING
Credits (Min/Max): 3.00/3.00

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.

FILM2055
ACTING FOR DIRECTORS
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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.

FILM3020
SERVICE FILM PROJECT
Credits (Min/Max): 1.00/1.00

PREREQUISITE: FILM3015

In this course, students will create a short "service film" for a non-profit group or organization (off-campus) or a group or program (on campus). Students should strive to find an organization that generally can not afford to create such media. The film should be between 2 to 4 minutes in length (exceptions are possible but must be approved in advance by the instructor).

FILM4010
CLIENT-BASED FILM PRODUCTION
Credits (Min/Max): 3.00/3.00

PREREQUISITE: FILM3015

In this class students will learn production skills at an advanced level with an emphasis on learning how to be a film producer. Additionally, students will produce short films in collaboration with a non-profit partner. We will also examine dealing with stock footage and music rights, legal and ethical considerations, and distribution options. Students will draw upon all skills from Film Production 1-3 for films produced this semester.

FILM4045
FILM CAPSTONE PRE-PRODUCTION
Credits (Min/Max): 1.00/1.00

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.

FILM4050
SPECIAL TOPICS IN FILM:
Credits (Min/Max): 1.00/3.00

PREREQUISITE: GCDN3046

FILM4050A
SPECIAL TOPICS IN FILM:
Credits (Min/Max): 3.00/3.00

FILM4050B
SPECIAL TOPICS IN FILM:
Credits (Min/Max): 3.00/3.00

FILM4051**INTERNSHIP I - FILM****Credits (Min/Max): 1.00/6.00**

A practical work experience in a field setting. The student receives credits for work performed.

FILM4057**INDEPENDENT STUDY - FILM****Credits (Min/Max): 1.00/6.00****FINC3031****INVESTMENTS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ACCT2004

This course introduces the securities markets and examines the three traditional asset classes of cash, fixed income, and equity. Topics include modern portfolio theory, the relationship between risk and return, efficient markets, technical analysis, behavior finance, and ratio analysis.

FINC3032**FINANCIAL MANAGEMENT****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ACCT2004

This course introduces external sources and processes of finance. Topics include time value of money, term structure of interest rates, risk return trade-off, discounted cash flow, ratio analysis, weighted average cost of capital, and capital budgeting.

FINC3034**COMMERCIAL BANK MANAGEMENT****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: FINC3032

This course provides an in-depth review of all aspects of commercial banking including their role within the economy and how the U.S. regulatory structure and risk factors impact operating performance. Topics include bank structure, regulations, managing interest and non-interest income, and managing interest rate, credit, and liquidity risks.

FINC3036**FINANCIAL INSTITUTIONS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ADMG1005 AND ACCT2004

This course will provide an understanding of various types of financial markets and institutions that exist and operate in the U.S. economy. Topics include the Federal Reserve System, Monetary Policy, and Interest Rates along with the impact at all three have on the state of the economy.

FINC3040**RISK MANAGEMENT AND INSURANCE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: FINC3032 AND MATH1040

This course will provide an understanding of the insurance industry that operates within the U.S. economy. Topics include the types of insurance, regulation, and risk-handling techniques such as diversification and hedging.

FINC4020**SIE AND SERIES 7 PREP PROGRAM****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: FINC3031 --or-- FINC3032 --or-- FINC4020.

Fi-SOLVE Applied Investments (Finance Student Operated Laboratory Venture) is an interactive experience where students collaborate as portfolio managers to construct and manage a portfolio of funds provided by La Roche University, Academic Affairs. Additionally, students will study an alternative asset class and explore an advanced topic within the investments arena.

FINC4033**INTERMEDIATE FINANCIAL MANAGEMENT****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: FINC3032

The course will reinforce and extend the principles and concepts introduced in FINC3032 - Financial Management. Topics include corporate valuation, working capital management, and strategic decision making, along with the decisions faced by corporate managers as they assess the value of various investment and financial strategies.

FINC4051**INTERNSHIP I - FINANCE****Credits (Min/Max): 1.00/6.00**

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.

FNPC6000**ADVANCED PATHOPHYSIOLOGY****Credits (Min/Max): 3.00/3.00**

The focus of this course is on pathophysiological alterations. Emphasis is placed on abnormal changes that occur in body systems and the development of disease. Consideration of the relationship between genetics, epigenetics, the environment, and pathology are explored.

FNPC6005**HEALTH PROMOTION & DISEASE PREVENTION****Credits (Min/Max): 2.00/2.00**

This course is designed to illuminate the role of the nurse practitioner as a provider of primary health care to clients and their families. Course content centers on promotion of health, prevention of illness, and management of health- illness situations of families within varied environmental contexts. Particular focus is placed on disparity in health care and the challenge this presents for the family nurse practitioner. The significance of research findings influencing primary care is explored and evaluated to determine the applicability to advanced nursing practice.

FNPC6010**ADVANCED PHARMACOLOGY****Credits (Min/Max): 3.00/3.00**

This course provides the opportunity for students to acquire advanced knowledge and skills in the pharmacologic treatment of commonly encountered health problems. The role of the advanced practice nurse in collaboration with health team members in providing safe and effective drug therapy will be explored. Special emphasis will be placed on the role of the Family Nurse Practitioner and prescriptive privilege. The principles of pharmacodynamics, pharmacokinetics, pharmacogenetics, and pharmacogenomics as well as adverse drug reactions will be incorporated in the decision-making process to assess and monitor drug therapy and to teach patients safe and effective medication administration. The effects of culture, ethnicity, age, pregnancy, gender and economics on pharmacologic therapy will be emphasized. Assessment of the use of herbal and nutritional supplements, nutraceutical, and over-the-counter drugs on prescribed therapies will be addressed. In addition, current issues in drug therapy will be discussed such as the role of the advanced practice nurse in the current opioid epidemic and the use of medical marijuana.

FNPC6015**COMP HEALTH ASSES & CL DECIS MAKING****Credits (Min/Max): 3.00/3.00**

This course focuses on performing a comprehensive health assessment on patients throughout the lifespan and communicating the assessment findings to members of the multi-disciplinary health care team. The course builds on knowledge of anatomy, physiology, pathophysiology, pharmacology, and health assessment skills previously attained in undergraduate nursing education. Emphasis is placed on the collection, interpretation, and synthesis of relevant historical, genetic, biological, cultural, psychosocial and physical data for the development of a comprehensive and holistic health assessment. Evidence based practice concepts related to health promotion/disease prevention are applied. Diagnostic reasoning skills are developed to determine health and risk status, develop health promotion/disease prevention strategies, and establish priorities of care. Post-Masters Family Nurse Practitioner Certificate program students will obtain 15 hours of assessment experience in the simulation center, focusing on both normal and abnormal findings.

FNPC6020**DIAGNOSIS & MANAGEMENT OF ADULTS I****Credits (Min/Max): 3.00/3.00**

This course builds on the concepts from the prerequisite courses to develop the role of the nurse practitioner in promoting health and managing common acute and chronic health conditions in adults. Adaptations in health assessment, management of common acute and chronic conditions, and health promotion based upon developmental and ethnocultural considerations are emphasized. The interaction of individual, family, and environment are studied from the perspective of nursing and other health-related theories.

FNPC6020P**DIAGNOSIS & MANAGEMENT OF ADULTS I: PRACTICUM****Credits (Min/Max): 2.00/2.00**

This practicum is designed to guide students in developing the basic competencies of the nurse practitioner in the care of adults experiencing acute and chronic health conditions. Students will utilize skills of critical thinking, logical reasoning, and sound diagnostic judgement in generating clinical decisions and directing care. Students will gain skill in all aspects of diagnosis, therapeutics, and management as required of a competent primary care practitioner. Supervision in this practicum will be provided by nurse practitioner and physician preceptors, under the guidance and oversight of faculty. Students will arrange clinical hours with preceptors as mutually acceptable. If the student is unable to meet with the preceptor at an established time, the student will notify the preceptor as soon as possible to avoid any disruption and to arrange alternative clinical hours.

Students are required to obtain a minimum of 200 practicum hours for this course.

FNPC6025

DIAGNOSIS & MANAGEMENT OF WOMEN & CHILDREN

Credits (Min/Max): 3.00/3.00

This course builds on the concepts of family health nursing in exploring the role of the nurse practitioner in women's health and pediatrics. The course focuses on conditions specific to women's health, the parent-child experience during pregnancy and birth, and conditions specific to children from infancy through adolescence. Particular attention is placed on the developmental changes of children and their impact on the acute and chronic health conditions most frequently encountered in the primary care setting.

FNPC6025P

DIAGNOSIS & MANAGEMENT OF WOMEN & CHILDREN- PRACTICUM

Credits (Min/Max): 2.00/2.00

This practicum is designed to guide students in developing the basic competencies of the nurse practitioner in the care of women and children in the primary care setting. Students will utilize skills of critical thinking, logical reasoning, and sound diagnostic judgement in generating clinical decisions and directing care. Students will gain skill in all aspects of diagnosis, therapeutics, and management as required of a competent primary care practitioner. Supervision in this practicum will be provided by nurse practitioner and physician preceptors, under the guidance and oversight of faculty. Students will arrange clinical hours with preceptors as mutually acceptable. If the student is unable to meet with the preceptor at an established time, the student will notify the preceptor as soon as possible to avoid any disruption and to arrange alternative clinical hours. Students are required to obtain a minimum of 200 practicum hours for this course.

FNPC6030

DIAGNOSIS & MANAGEMENT OF ADULTS II

Credits (Min/Max): 3.00/3.00

This course builds on the concepts from the prerequisite courses to develop the role of the nurse practitioner in promoting health and managing common acute and chronic health conditions in adults. This course incorporates a focus on older adults, adaptations in health assessment, management of common acute and chronic conditions, and health promotion based upon developmental and ethnocultural considerations are emphasized. The interaction of individual, family, and environment are studied from the perspective of nursing and other health-related theories.

FNPC6030P

DIAGNOSIS & MGMT OF ADULTS II-PRACT

Credits (Min/Max): 2.00/2.00

This practicum is designed to guide students in developing the basic competencies of the nurse practitioner in the care of adults experiencing acute and chronic health conditions. Students will utilize skills of critical thinking, logical reasoning, and sound diagnostic judgement in generating clinical decisions and directing care. Students will gain skill in all aspects of diagnosis, therapeutics, and management as required of a competent primary care practitioner. Skill in assessment and management of older adults will be emphasized. Supervision in this practicum will be provided by nurse practitioner and physician preceptors, under the guidance and oversight of faculty. Students will arrange clinical hours with preceptors as mutually acceptable. If the student is unable to meet with the preceptor at an established time, the student will notify the preceptor as soon as possible to avoid any disruption and to arrange alternative clinical hours. Students are required to obtain a minimum of 200 practicum hours for this course.

FNPC6040

INTEGRATION OF THE ADVANCED PRACTICE ROLE

Credits (Min/Max): 2.00/2.00

This course provides an opportunity to integrate the theory and practice of the family nurse practitioner. Focus is placed on the domains and competencies of the nurse practitioner as a direct provider of primary health care. Students will synthesize theories and concepts that guide practice as well as discuss issues and policies that define the nurse practitioner role. They will examine issues of control and power, dignity and respect, and mutual expectations in healing relationships.

FNPC6040P

INTEGRATION OF THE ADVANCED PRACTICE ROLE- PRACTICUM

Credits (Min/Max): 2.00/2.00

The class will meet for a two-hour session every week. The clinical practicum will be conducted in collaboration with and under the supervision of nurse practitioner and physician preceptors. The practicum will provide a foundation for the transition to independent clinical practice. Students are required to obtain a minimum of 200 practicum hours for this course.

GCDN1023
DRAWING I (IDSN1023)
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: GCDN1060 AND IDSN1060, GRADE OF C OR BETTER

This course builds upon Foundation Design I, as an introductory course in design process, the principles of design and their application to studio projects, with a focus on color theory through both two- and three-dimensional design. This course continues to establish a framework from which to explore the connection between the foundations of design and complex discipline-specific design problems. Cross-listed with IDSN1062

GCDN1070
DIGITAL IMAGE MAKING I
Credits (Min/Max): 3.00/3.00

Introduction 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): 3.00/3.00

PREREQUISITE: GCDN1070 AND DSGN2005, GRADE OF C OR BETTER

Advanced digital image making. The course will provide advanced practice of digital image creation, manipulation and production using professional, industry- standard software. Course content and project work will build upon foundational knowledge of the design process, industry software, (both vector and raster) and methods attained in Image Making I. Assignments will require in-depth inquiry into the design process, methods, visual communication and technical design solutions. Studio practice will emphasize visual communication strategies as they combine with other elements of graphic design such as heirarchy, typography, color, layout and composition. Students will develop their ability to apply vocabulary and the the design process through research, critique and the iterative design process.

This course runs in tandem with Foundation Design II.

GCDN2008
DIGITAL PUBLICATION AND PRE-PRESS
Credits (Min/Max): 3.00/3.00

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.

GCDN2012
TYPOGRAPHY I
Credits (Min/Max): 3.00/3.00

PREREQUISITE: GCDN1060, GCDN1071, IDSN1060, GCDN1062, GCDN1070, GRADE OF C OR BETTER

This course introduces students to the basics of typography as the backbone of Graphic Design. By studying the anatomy of a letterform, typographic history, classifications, typeface recognition, hierarchy and terminology, students learn to organize typographic compositions and systems in order to communicate intellectual and expressive meaning. Students explore the typographic form through both hand-rendered and digital mediums using industry standard software.

GCDN2016
DIGITAL PHOTOGRAPHY I
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: GCDN2008, GRADE OF C OR BETTER

This course investigates design principles and concepts, incorporating them into the foundations of graphic design. The student is introduced to the language and processes used to achieve effective graphic design. Through investigation of core graphic design principles, concept development, language and processes; students explore both formal and expressive techniques for successful and effective integration of image and type.

GCDN2029
USER EXPERIENCE DESIGN I
Credits (Min/Max): 3.00/3.00

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.

GCDN2042
DIGITAL PHOTOGRAPHY II: EXTERIOR
Credits (Min/Max): 3.00/3.00

PREREQUISITE: GCDN2016, GRADE OF C OR BETTER

Effective execution of exterior photography work. Through exploring a variety of exterior shooting conditions such as lighting, concept, compositional strategy, technical requirements, and advanced editing technique, students will learn to integrate core photography concepts into successful and effective skillset specializing in exterior photography. This course will require off campus travel. Prereq: GCDN2016

GCDN3012
DIGITAL PHOTOGRAPHY III - INTERIOR
Credits (Min/Max): 3.00/3.00

PREREQUISITE: GCDN2016, GRADE OF C OR BETTER

This course will study concepts, processes, and techniques related to the effective execution of interior photography work. Through exploring a variety of interior shooting conditions such as types of lighting, concept, compositional strategy, technical requirements, and advanced editing technique, students will learn to integrate core photography concepts into successful and effective skillset specializing in interior related photography. This course will require off campus travel. Prereq: GCDN2042

GCDN3022
TYPOGRAPHY II
Credits (Min/Max): 3.00/3.00

PREREQUISITE: GCDN2021, GRADE OF C OR BETTER

Further development of the ideas, techniques and principles studied in GCDN2012. Emphasis is placed on polishing and advancing basic typography skills through the study of typography in publication design, i.e., multiple page design as it relates to layouts for books, booklets, brochures and magazines. Format and design for continuity is stressed.

GCDN3031
GRAPHIC DESIGN II
Credits (Min/Max): 3.00/3.00

PREREQUISITE: GCDN2021, GRADE OF C OR BETTER

This course will focus on information organization and complex hierarchies, in order to reach conceptually and aesthetically sophisticated design solutions. Particular emphasis will be placed on research, investigation, rigorous brainstorming and organizing a large quantity of information in order to reach content-heavy, visually-engaging solutions. Prereq: Successful completion of Mid-Collegiate Review.

GCDN3041**GRAPHIC DESIGN III****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: GCDN3031, GRADE OF C OR BETTER

With an emphasis on communication and advanced design problems, this course will focus on the development of clear, appropriate, dynamic and efficient branding through a systems approach to design. It will begin with the detailed study of the brand and brand identity, and culminate in the development of an integrated branding program. A high degree of conceptual, aesthetic and technical ability will be required for successful completion of this course.

GCDN3043**PACKAGING DESIGN****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: GCDN2021, GRADE OF C OR BETTER

The course is an introduction to the elements and principles of design for packaging, retail display and branded environments, with an emphasis on visual communication for three-dimensional design.

GCDN3045**USER EXPERIENCE DESIGN II****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: GCDN2029, GRADE OF C OR BETTER

This course is an advanced study in user experience design which builds upon the foundation and application of UX design and theory from User Experience Design I. Students will further develop skills in research, problem identification, concept building and prototyping with an emphasis towards solving complicated 'user-centric' design problems. Studio work will require solutions that demonstrate advanced consideration to information architecture strategy, design patterns, responsive screen design, and high-fidelity prototyping.

GCDN3055**PROFESSIONAL PRACTICES FOR GRAPHIC DESIGNERS****Credits (Min/Max): 3.00/3.00**

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.

GCDN4028**DIGITAL PHOTOGRAPHY IV - PORTFOLIO****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: GCDN3012, GCDN2042, GCDN2016, GCDN3040, GRADE OF C OR BETTER

This course will provide students with an opportunity to self-author a large body of photographic work building upon one or more of the concepts previously studied in the minor. In addition students will also learn about important professional practice skills such as publishing work both on personal and professional stock sites, continued self-evaluation skills, and how to earn freelance opportunities. This class will culminate in the students producing and presenting a collective body of work for showcase. Prereq: GCDN3012

GCDN4041**SENIOR DESIGN CAPSTONE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: GCDN4055, GRADE OF C OR BETTER

This capstone-level course centers on the development of a semester long independent project. In consultation with faculty and peers, students will focus on creating multi-component, content-driven projects that demonstrate their ability to completely identify, research, self-author and implement in-depth solutions. The course will culminate with a final professional presentation.

GCDN4050**GRAPHIC DESIGN - SPECIAL TOPICS:****Credits (Min/Max): 3.00/3.00**

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): 1.00/6.00**

A practical work experience in a field setting. The student receives credits for work performed.

GCDN4055
SENIOR DESIGN SEMINAR
Credits (Min/Max): 3.00/3.00

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.

GCDN4057
INDEPENDENT STUDY - GRAPHIC
Credits (Min/Max): 1.00/3.00

This course is limited to those few students who have demonstrated an unusual level of ability and an intense commitment to a particular area.

GCDN4058
PORTFOLIO PREPARATION
Credits (Min/Max): 3.00/3.00

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
Credits (Min/Max): 3.00/3.00

A study of the interactions between human beings and the land, and the influence of geography in shaping work and culture throughout the world.

HIST1010
US HIST 1607 - 1865 FOUNDATIONS OF A REPUBLIC
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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

HIST1014
WESTERN CIVILIZATION II
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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 workers' 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.

HIST2040
HISTORY OF WESTERN PENNSYLVANIA
Credits (Min/Max): 3.00/3.00

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.

HIST3015
HISTORY/POLITICAL THOUGHT (POLI3015)
Credits (Min/Max): 3.00/3.00

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

HIST3020
RUSSIA AND THE SOVIET WORLD
Credits (Min/Max): 3.00/3.00

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.

HIST3027
HISTORY OF MODERN EUROPE (INST3027)
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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

HIST3036
HIST OF AMERICAN VALUES, BELIEFS (POLI3036)
Credits (Min/Max): 3.00/3.00

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 POLI3036

HIST3051
DEVELOPMENT IN SOUTHEAST ASIA (POLI/SOCL3051)
Credits (Min/Max): 3.00/3.00

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

HIST3054
FOLKLORE OF PENNSYLVANIA
Credits (Min/Max): 3.00/3.00

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.

HIST3085
MARXIST POLITICAL THOUGHT (POLI3085)
Credits (Min/Max): 3.00/3.00

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

HIST4051
INTERNSHIP I - HISTORY
Credits (Min/Max): 1.00/6.00

HIST4057
INDEPENDENT STUDY - HISTORY
Credits (Min/Max): 1.00/6.00

Individual study supervised by a full-time faculty member.

HMGT3010
HEALTH FINANCE FOR THE HEALTH SERVICES
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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 health 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.

HONR9999
HONORS REQUIREMENT (SUB)
Credits (Min/Max): 1.00/4.00

HONR9999H
HONORS ELECTIVE
Credits (Min/Max): 3.00/3.00

HRMT5011
CONCEPTS OF FINANCIAL AND BUDGET
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00****PREREQUISITE: HRMT5013, GRADE OF C OR BETTER**

This 2-term seminar provides the student with a capstone experience, designed to integrate the disciplinary knowledge gained in the program and prepare the student for effective HR practice. Students will learn how to develop and use HR strategy, how to initiate and manage HR consulting relationships, and how to use HR assessment and evaluation tools. As part of the seminar, students will design, implement and evaluate an HR consulting project in their area of concentration. Prereq: HRMT5025A

HRMT6012**TRAINING AND DEVELOPMENT****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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.

HRMT6017**RECRUITMENT AND PLACEMENT****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00

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): 3.00/3.00

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.

HRMT6036

PERFORMANCE MANAGEMENT

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 1.00/1.00

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): 3.00/3.00

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.

HSCU1020

MEDICAL TERMINOLOGY

Credits (Min/Max): 3.00/3.00

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.

HSCU1025

NORMAL AND CLINICAL NUTRITION

Credits (Min/Max): 3.00/3.00

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.

HSCU2001

RADIOLOGIC TECHNOLOGY I

Credits (Min/Max): 2.00/2.00

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): 2.00/2.00

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): 2.00/2.00

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): 2.00/2.00

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): 2.00/2.00

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): 2.00/2.00

This course provides competency based clinical instruction in examination of the pelvis, hips and spine.

HSCU2007
RADIOLOGIC TECHNOLOGY IV
Credits (Min/Max): 2.00/2.00

PREREQUISITE: HSCU2005 AND HSCU2006, GRADE OF C OR BETTER

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”.

HSCU2008
CLINICAL EDUCATION IV
Credits (Min/Max): 3.00/3.00

PREREQUISITE: HSCU2005 AND HSCU2006, GRADE OF C OR BETTER

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”.

HSCU2009
RADIOLOGIC TECHNOLOGY V
Credits (Min/Max): 2.00/2.00

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): 3.00/3.00

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): 2.00/2.00

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): 2.00/2.00

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): 2.00/2.00

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.

HSCU2016
GLOBAL HEALTH CARE (GLBL)
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: BIOL1024, PSYC1021, BIOL1024L

This course is designed to introduce students to the theoretical differences and application in motor skill development across the life span. Topics will include motor learning, motor control and motor development experienced during growth and development and used in physical activity, exercise, and sport performance. Cross-listed with EXSP3005

HSCU3007

BIOMECHANICS (EXSP3007)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH1010, BIOL1024, BIOL1024L

This course is a study of the science of human movement and will provide students the understanding and analysis of structure and mechanical functioning of human movement and motor skills used for physical activity, exercise, and sports performance. Cross-listed with EXSP3007

HSCU3015

BIOLOGY OF AGING

Credits (Min/Max): 3.00/3.00

PREREQUISITE: BIOL1024 AND BIOL1024L

This course explores the anatomical and physiological changes associated with human aging. What is aging, lifespan, theories of aging, and evolution and aging will also be discussed.

HSCU3021

HUMAN PATHOPHYSIOLOGY I

Credits (Min/Max): 3.00/3.00

PREREQUISITE: BIOL1024L AND BIOL1024

The course will examine the causes, evolution, morphological changes, clinical manifestations, and diagnosis of diseases. Representative disorders of the integument, musculoskeletal, nervous, and endocrine systems will be studied.

HSCU3025

EXERCISE PHYSIOLOGY AND SPORTS NUTRITION (EXSP3025)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: BIOL1024 AND BIOL1024L

This course is designed to introduce students to the basic principles Sports Nutrition and Exercise Physiology with an emphasis on wellness promotion throughout life.

HSCU3030

FITNESS TESTING AND EXERCISE PRESCRIPTION (EXSP3030)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: EXSP3025 AND HSCU3025

This class will provide students an opportunity to learn in both lecture and hands-on approaches about a variety of common fitness tests related to cardiovascular and muscular fitness and flexibility. Students will also learn the principles of exercise prescription for healthy adults, and modifications for apparently healthy children and older adults. Cross-listed with EXSP3030

HSCU3033

TOXICOLOGY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: CHEM1017, BIOL1001, SLSC1011

This course focuses on the study of numerous toxicants and how they affect all levels of biology and the human body. Various research studies will be introduced, as well as public policy perspective.

HSCU3041

HUMAN PATHOPHYSIOLOGY II

Credits (Min/Max): 3.00/3.00

PREREQUISITE: HSCU3021, BIOL1024, BIOL1024L

This course is a continuation of the study of human pathophysiology. It will examine the causes, evolution, morphological changes, clinical manifestations, and diagnosis of representative diseases of the endocrine, cardiovascular, respiratory, renal, digestive, and reproductive systems.

HSCU3050**HEALTH ASSESSMENT IN HEALTH SCIENCES****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: BIOL1024

This course focuses on health assessment, health promotion, and disease prevention for major health concerns of individuals throughout the life span. Emphasis will be on developing the student's ability to create an in-depth health history and health risk profile, and to perform physical assessment of clients of varying ages. Evidence-based screening tests for early detection of disease, immunizations and prophylaxis to prevent disease and counseling to modify risk factors that lead to disease will be explored.

HSCU3060**ENDOCRINOLOGY FOR HEALTH SCIENCES****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: BIOL1024 AND BIOL1024L

This course provides a broad overview of the human endocrine system, which will allow students to integrate and better understand the functions of the other systems of the body. Topics include the synthesis of hormones, storage and secretion, mechanisms of action and regulation, and methods used in endocrinology.

HSCU4003**STRENGTH AND CONDITIONING (EXSP4003)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: EXSP3025, HSCU3007, HSCU3025, EXSP3007

This course is designed for students to learn and apply the theory and principles of strength and conditioning based from the study of kinesiology, exercise physiology, motor learning, motor control motor development, and biomechanics. Students will be able to design individual strength and conditioning protocols for physical activity, exercise, and sport performance activities. Cross-listed with EXSP4003

HSCU4005**CLINICAL EXERCISE PHYSIOLOGY (EXSP4005)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: HSCU3025, HSCU3007, EXSP3007

This course will provide students the knowledge base to understand the impact and limitations of chronic disease and special populations on activities of daily living (ADL), physical activity, and exercise. Students will be able to assess, evaluate, and prescribe individual exercise protocols to individuals diagnosed with conditions such as heart disease, hypertension, obesity, diabetes, respiratory disorders, asthma, arthritis, and cancer. Cross-listed with EXSP4005

HSCU4051**INTERNSHIP I - - HEALTH SCIENCES****Credits (Min/Max): 1.00/6.00****HSCU4055****HEALTH SCIENCE CAPSTONE****Credits (Min/Max): 2.00/2.00**

As a Health Science or Exercise Science senior, this course is a culminating experience that aims to integrate previous academic coursework along with the student's area of interest. The course will focus on preparing students for their future. An individual research project on a subject related to the student's future in healthcare will be required, and then presented at the end of the semester. Resume creation and interviewing skills will also be taught and practiced.

IDSN1011**INTERIOR GRAPHICS I****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN1020A, Grade of C or better.

An introductory course focusing on hand-sketching and drafting techniques that are used by interior designers. Instruction focuses on understanding the equipment and developing the skills needed to produce manually generated floor plans, elevations, sections, orthographic, and axonometric drawings; sketches and perspectives using hand-rendered shade, shadow, and texture; architectural lettering; and drawing composition.

IDSN1015**VISUAL PRESENTATION****Credits (Min/Max): 2.00/2.00**

This course will introduce the integration of type and image into layout and composition. Layout concepts will emphasize the elements of design, typography, legibility, hierarchy, and grid systems while executing the work with industry standard software. Standards of editing and file management for fast image work will also introduce a proficient workflow for image creation and manipulation.

IDSN1020A**INTERIOR STUDIO I (A)****Credits (Min/Max): 3.00/3.00**

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 STUDIO I (B)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN1020A, GRADE OF C OR BETTER

An introductory course in interior design theory, principles, and processes, which are applied to spaces with simple design programs where people live and work.

IDSN1021**INTERIOR GRAPHICS II****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN1020B, IDSN1011, and Successful pass of Freshman Review.

Students will continue to develop their understanding of floorplans, elevations, and sections by producing drawings with computer programs commonly used by professional interior designers. Students will be instructed in methods of depicting their design ideas in 3-D with computer generated drawings and perspectives. Basic computer renderings skills will be introduced.

IDSN1023**DRAWING I (GCDN1023)****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: IDSN1060 or GCDN1060, GRADE OF C OR BETTER

This course builds upon Foundation Design I, as an introductory course in design process, the principles of design and their application to studio projects, with a focus on color theory through both two- and three-dimensional design. This course continues to establish a framework from which to explore the connection between the foundations of design and complex discipline-specific design problems. Cross-listed with GCDN1062

IDSN2015**COMPUTER GRAPHICS FOR INTERIORS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN1021 and IDSN3028A.

An advanced skills course in computer-aided design (CAD) and other computer graphic software programs. This course builds upon principles, concepts, and techniques learned in IDSN1011-Interior Graphics I and IDSN1021-Interior Graphics II for designing with two-and-three dimensional computer-aided drafting software. Students are provided with extensive hands-on experience to familiarize themselves with the capabilities of the computer and the graphic programs that are commonly used in interior design practice.

IDSN2032**HISTORY OF ID AND ARCHITECTURE I****Credits (Min/Max): 3.00/3.00**

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.

IDSN2038A**INTERIOR STUDIO II A****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN1020B, IDSN1011, and Successful pass of Freshman Review.

An investigation of the design process with emphasis on basic programming tools, concept development and the relationship between form, function and place-making. Design projects, emphasizing commercial with at least one residential, range in size up to 6000 square feet. Project organization is from simple to complex in each semester.

IDSN2038B

INTERIOR STUDIO II B

Credits (Min/Max): 3.00/3.00

PREREQUISITE: IDSN2038A, IDSN1021, and IDSN2052.

This course provides an investigation of the design process utilizing basic programming tools and emphasizes concept development, codes analysis, ADA and NKBA guidelines. Communication skills including sketching, AutoCAD and SketchUp will be reinforced. Design projects will include kitchen and bath design and budget considerations, as well as live/work/retail spaces, temporary, transitional, or permanent housing and will range in size up to 6000 sf.

IDSN2039

HISTORY OF ID AND ARCH II

Credits (Min/Max): 3.00/3.00

A survey of interiors and architecture from the Renaissance through the 18th century, with special emphasis on styles and furniture.

IDSN2044

BUILDING TECH: CONSTRUCTION

Credits (Min/Max): 1.50/3.00

PREREQUISITE: IDSN2052.

An overview of architectural building systems that affect the responsibilities and decisions of interior designers. Emphasis is placed on structural systems and architectural components of buildings (e.g., floors, walls, ceilings, doors, windows, moisture protection, etc.) as well as relevant vocabulary, codes, and environmental concerns.

IDSN2045

ARCHITECTURAL RENDERING

Credits (Min/Max): 3.00/3.00

PREREQUISITES: IDSN2038A and IDSN1021.

An advanced course in the delineation of the interior space. Emphasis is on the development of individual style and expanded technical rendering knowledge.

IDSN2052

BUILDING TECH: FINISH MATER & TEXTI

Credits (Min/Max): 3.00/3.00

PREREQUISITE: IDSN1020B, IDSN1011 and Successful pass of Freshmen review.

A thorough study of finish materials and textiles as they pertain to interior spaces and their installation on floors, walls, ceilings and furniture. Criteria for evaluating performance under differing conditions, compliance with fire and building codes, and impact on the environment are discussed. Conventional and innovative uses of fiber-based products and finish materials to enhance design concepts are explored.

IDSN3028A

INTERIOR STUDIO III A

Credits (Min/Max): 3.00/3.00

PREREQUISITE: IDSN2052 and Successful pass of Sophomore Review; **MUST TAKE CONCURRENTLY** with IDSN3040 and IDSN4041.

An investigation into the development of complex interior spaces. Students are encouraged to develop a holistic approach to the design process as they learn to integrate design, technical, regulatory, and budgetary issues. Design projects that emphasize commercial and adaptive reuse, and one residential project, range in size from 5,000 to 10,000 square feet.

IDSN3028B

INTERIOR STUDIO III B

Credits (Min/Max): 3.00/3.00

PREREQUISITES: IDSN3028A and IDSN3040.

An investigation into the development of complex interior spaces. Students are encouraged to develop a holistic approach to the design process as they learn to integrate design, technical, regulatory, and budgetary issues. Design projects that emphasize commercial and adaptive reuse, and one residential project, range in size from 5,000 to 10,000 square feet.

IDSN3032

HISTORY OF ID AND ARCHITECTURE III

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL1012 OR ENGL1012H

Survey of nineteenth and twentieth century interiors and architecture in Europe and the United States. Special emphasis is placed on designers and their contribution to contemporary American environment. Prereq: IDSN2039 recommended.

IDSN3040**BUILDING TECH: LIGHTING & ELECTRICA****Credits (Min/Max): 3.00/3.00**

MUST TAKE CONCURRENTLY WITH IDSN3028A.

Fundamentals of lighting design and an overview of power distribution and communications systems pertinent to interior spaces. Technical aspects of lighting, its effect on behavior and perceptions of space, color, and finish materials, and environmental concerns specific to lighting are examined. Current issues relative to power distribution and telecommunication systems are incorporated. Emphasis is on the application of technical knowledge to design projects and the management of the workplace.

IDSN3041**BUILDING TECH: CONTROL SYSTEMS****Credits (Min/Max): 1.50/1.50**

PREREQUISITE: IDSN2052.

An overview of mechanical (HVAC), plumbing, fire detection and suppression, acoustic, security, and transportation systems as they relate to the design and management of interior spaces. Emphasis is given to the application of technical knowledge to indoor air quality and the design of interior environments.

IDSN3055**KITCHEN AND BATH DESIGN****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN2038A

An elective interior design course that provides the opportunity for studying the fundamentals of kitchen and bath design. Aspects of technology, accessibility and applicable building codes will be examined. Material, equipment and finish selection, cabinetry detailing and the integrations of lighting, electrical and mechanical systems will be explored.

IDSN3062**ADV COMPUTER MODELING & RENDERING****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN2045.

An advanced course in 3-D computer modeling and rendering with introduction to programs that are commonly used in professional design practice. This course builds and extends the principles, concepts, and techniques learned in the IDSN2045 Architectural Rendering course. Students are provided with extensive hands-on experience to familiarize themselves with the capabilities of the program(s) utilized in the course. The computer will be used as a tool to generate 3-D models, 2-D renderings, and 3-D walk-throughs of an original studio project to provide practical and competitive industry experience.

IDSN4041**BUSINESS PRACTICES FOR ID****Credits (Min/Max): 3.00/3.00**

MUST TAKE CONCURRENTLY WITH IDSN3028A.

Professional aspects concerning the practice of interior design including such topics as estimation, trade relations, contracts and office procedures and organization.

IDSN4042**CONTRACT DOCUMENTS****Credits (Min/Max): 3.00/3.00**

PREREQUISITES: IDSN3041, IDSN3040, IDSN2044, IDSN2052, and IDSN3028B.

A basic course in working drawings and their development in conjunction with specifications. Students examine conventions, techniques and layout by producing a full set of architectural drawings for a small design project. Specifications are written to support the drawings.

IDSN4051**INTERNSHIP I - INTERIOR DESIGN****Credits (Min/Max): 1.00/6.00**

PREREQUISITE: IDSN4041.

A practical work experience in a field setting. The student receives credit for work performed in the area of interior design.

IDSN4057**INDEPENDENT STUDY- INTERIOR DESIGN****Credits (Min/Max): 1.00/6.00**

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 PRESENTATION****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: IDSN4059.

Instruction and guidance in the preparation of a professional portfolio.

IDSN4059**SENIOR DESIGN SEMINAR****Credits (Min/Max): 3.00/3.00**

PREREQUISITES: IDSN3028B and IDSN2015.

Principles and techniques of interior design research are applied to a design issue that is selected by a student and approved by interior design faculty. Students present oral and visual documentation of their research to design practitioners. In the last several weeks, students apply the semester's research to a design program and site identification that provide the basis for the design project realized in IDSN4060 Senior Design Seminar II.

IDSN4060**SENIOR DESIGN CAPSTONE****Credits (Min/Max): 3.00/3.00**

PREREQUISITES: IDSN4059 and IDSN4042.

Building on the research knowledge and design program evolved in IDSN40459 Senior Design Seminar, as well as all previous experiences in the interior design curriculum, a student generates a fully developed design solution that is documented with drawings and/or models. Students present their work at the end of the semester to a design jury.

INMT3039**INTERNATIONAL BUSINESS MGMT****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: ADMG2021 AND MRKT2021

An upper level course focusing on key management functions in international marketing: entry strategies, product and pricing politics, financing, promotion and distribution. The course will also concentrate on export management that is the major international activity of most small and medium-sized companies. Cross-listed with MRKT3049

INMT4046**INTERNATIONAL FINANCE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: FINC3032

A growing number of firms engage in various types of international financial transactions. This course focuses on international financial management issues such as foreign exchange markets, international capital markets such as Eurobond markets and international banks, international banking and international risk analysis.

INMT4048**INTERNATIONAL LEGAL ENVIRONMENT (INST4048)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: INMT3039

This course introduces concepts of international laws of contracts, sales and negotiable instruments. It also provides an overview of problems related to dispute settlement in international business and governmental administrative conflicts that restrict commerce between residents of different nations. Cross-listed with INST4048

INQU3003**WAR IN FILM AND LITERATURE (SLAE SLLT)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012 OR ENGL1012H

This course explores the idea of war and its impact on individuals—combatants and civilians—as well as a nation'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.

INQU3004**CRIME, TERROR AND THE ENVIRONMENT A GLOBAL PERSPECTIVE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012 OR ENGL1012H

This course, through the integration of the disciplines of criminal justice, national security studies, history, political science, and environmental studies will examine the concept of globalization by focusing on its key components. Elements such as technology, trade, financial networks, reduction of the power of national governments, and the creation and opening of new markets will be explored by looking at their effect on the individual and the community. The course will demonstrate how the global influences on individuals and communities affect both legitimate and illegitimate institutions and organizations. The ultimate focus will be on the increasing power and danger of global crime and terror organizations and how they operate. An appreciation of their everyday social and economic effects on individuals and communities will be developed through case studies of selected deviant organizations. The topics of differing criminal justice and political systems; environmental crime and terrorism; the increasing power of fundamentalist religious groups and their influence on terrorism; and international sharing of information will be presented and problems and solutions will be explored. (GLBL)

INQU3005**WHY WE FIGHT: HISTORICAL CONFLICT IN FACT, FICTION AND****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012

An integrated 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 record, 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 understand more about who goes to war, why wars are fought, and the road toward peace. 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, from high ideals to survival; and 4) A final section that explores 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 creation and use of propaganda, and the differing views of history/reality from opposing sides in battle.

INQU3007**GAME STUDIES****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012

The course is an introduction to the significance of games through human history and their evolving role in the digital age. The course will include examining how games are made, logical progressions of play, how games can teach as well as create narrative structures similar to film, television and literature.

INQU3013**AMERICAN JUSTICE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012 OR ENGL1012H

This Criminal Justice, depth of knowledge course requires students to become part of an interdisciplinary exploration of Justice in America, both criminal and social. The topic of justice has historical roots and several definitions. It encompasses varying concepts and principles that are integral to a full understanding of society's procedures for handling conflicting individual or institutional claims involving law, morality, or politics. The course features film-enhanced lectures, readings, and the Socratic discussion of moral dilemmas, political issues, and legal cases. Students are expected to write both an analytical essay and a case study on their choices of a film, legal case, or assigned reading. The course culminates in team debates that require critical thinking, communication skills, and the use of technology.

INQU4003**VIRTUAL COMMUNITIES & SOCIAL MEDIA****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012 OR ENGL1012H

This course will assist the student in examining virtual communities from the perspective of issues related to social media tools. Some areas that will be examined include ethical values, regulations/laws, free speech, content controls, intellectual properties, privacy, security, and safety in virtual communities. We will discuss what we mean by virtual community and how we encourage, discuss, analyze, understand, design, and participate in healthy communities in the age of many-to-many social media. Students will need the willingness to immerse in social media practices and develop a notion of how these practices affect self and community.

INQU4004**MIGRATION IN THE MODERN WORLD****Credits (Min/Max): 3.00/3.00**

This course examines the mass movements of people in the modern world. It offers a critical look at the structural causes of migration, the process of acculturation and identity-building among immigrant communities, and the collective responses of dominant groups as well as states against migrants. Through informed analysis and use of interdisciplinary theories, the course helps students develop a comprehensive understanding of migration as a critical component of the present world system.

INQU4019**GALAPAGOS ISLANDS COMMUNITIES****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012

Communities are not just about people. A biological community refers to all populations of all species occupying a specified area. This course will examine the communities (human and non-human) of one of the most unique ecosystems on Earth: The Galapagos Islands. Participants will learn about the diversity of wildlife and environmental conditions that gave rise to Darwin's theory of evolution by natural selection. The course will promote an understanding of the impact of human activity on the rest of the natural world and the interdependence among all living things.

INQU4025**WOMEN ACROSS CULTURES****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012 OR ENGL1012H

This course explores the varying roles, positions and statuses across the globe. This course will combine perspectives from women's studies, cultural studies, and sociology to illuminate the status of women in their many roles, as family members, as workers, and as community, political and religious leaders. The course will examine the changes wrought by globalization on woman from diverse socio-economic and geographic backgrounds.

INST2011**WORLD GEOGRAPHY (GEOG2011)****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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.

INST3003**INTERNATIONAL POLITICAL ECONOMY (ADMG3003)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ADMG1005

An overview of major theories of international political economy including a more detailed understanding of the fast growing economic and institutional infrastructure of the international system. Topics include the development of intergovernmental and non-governmental international organizations (IGOs and NGOs), international treaties and laws governing trade and business practices, and mechanisms for the resolutions of international disputes. Cross-listed with ADMG3003

INST3011**RESEARCH METHODS (SOCL3011)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: MATH1040

This course introduces the student to the design of explanatory models in the field of international relations, methods for literature surveys and more commonly used quantitative and qualitative analytical techniques. Cross-listed with SOCL3011

INST3021**COMPARATIVE GOVERNMENT (POLI3021)****Credits (Min/Max): 3.00/3.00**

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 is 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

INST3027**HISTORY OF MODERN EUROPE (HIST3027)****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: INMT3039

This course introduces concepts of international laws of contracts, sales and negotiable instruments. It also provides an overview of problems related to dispute settlement in international business and governmental administrative conflicts that restrict commerce between residents of different nations. Cross-listed with INMT4048

INST4055**SENIOR SEMINAR (SOCL4055)****Credits (Min/Max): 3.00/3.00**

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

ISTC1010**DIGITAL LITERACY****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: ISTC1010

This course provides students with an introductory and general examination of computer-based systems and users as they exist throughout the world. A particular focus of this course is providing students with an overview of information technology, as it exists in both the developing as well as the developed world. To this end, students will examine computer use trends, industry trends, economic and resource patterns, employment trends and cultural patterns that affect or are affected by information technology.

ISTC2008**INTRO TO CYBERSPACE****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC1010

This course introduces the student to the world of the Internet. The course will focus on the effective and efficient use of the Internet to find and evaluate quality resources, communicate and collaborate using appropriate tools, create HTML files, and examine issues such as privacy, security and safety.

ISTC2021**MGMT OF INFORMATION SYSTEMS****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: ISTC2008, ISTC1010, ENGL2030

This course focuses on the design, development, and evaluation of distance learning systems and technology related technology support. An introduction to instructional design theory as it relates to distance learning will be included. Additionally, this course will include development of training materials and examination of technology tools needed to support eLearning.

ISTC2030**NETWORKING****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC1025

This course provides students with an introductory examination of computer-based networked environments. Of particular interest in this course is providing students with both a conceptual as well as an applied understanding of networks and networking. Students will be introduced to the organizational framework in which networking exists. Additionally, students will have the opportunity to explore networking on practical and applied levels so that issues such as hardware and software solutions and applications, as they relate to networked environments, will be examined.

ISTC2045**DATA BASE MANAGEMENT SYSTEMS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC1010

This course provides the basic knowledge required to operate and use a computer to perform the practical tasks of data file creation, retrieval of data and maintenance of data files. DBMS's are used for all types of applications involving medium-to-large scale data files. Major focus is on the acquisition of a working knowledge of the theories, principles and operating procedures of data base management systems using a representative DBMS. This course is appropriate for all potential users of computers in all fields of study.

ISTC2050**DISTRIBUTED SYSTEMS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC1010

In this course, the features and operations of centralized, decentralized and distributed systems are examined. Implications of hardware, software and communications are discussed in relationship to the design, development and implementation of communication systems. Industry-wide standards, protocols and architectures are discussed within the context of enterprise wide systems.

ISTC3005**INTRO TO INTELLECTUAL PROPERTY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC1005 AND ISTC1010

This course provides students with an introduction to and overview of those fundamental legal issues that are pertinent to the acquisition and deployment of information technology. Students will be given an overview of local, federal and international legal systems and their relationship to intellectual, civil and criminal legal principles as they apply to information technology.

ISTC3015**HUMAN-COMPUTER INTERACTION****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTD1021, ISTD1005, ISTD1010

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.

ISTC3025

CASE STUDIES USING ADVANCED EXCEL (ADMG3025)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ISTD1010

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

ISTC3028

SCRIPTING FOR THE WEB I

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ISTD2045, ISTD1005, ISTD1010

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 ISTD2008 Intro to Cyberspace and introduce more advanced techniques involving hyperlinks, embedded objects, and multimedia activity in the web site.

ISTC3031

ADVANCED NETWORKING AND TELECOM

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ISTD2030

This course builds on the foundation knowledge of ISTD2030 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.

ISTC3034

PROGRAMMING IN JAVA

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ISTD1021

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).

ISTC3046

ADV DATA BASE MGMT SYSTEMS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ISTD1005, ISTD1021, ISTD2045, ISTD1010

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.

ISTC4042

SYSTEMS ANALYSIS AND DESIGN

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ISTD1021, ISTD1005, ISTD2021, ISTD2045, ENGL2030, ISTD1010

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.

ISTC4051

INTERNSHIP I - INFO SYSTEMS TECH

Credits (Min/Max): 1.00/6.00

A field experience in an information systems position, supervised by a field supervisor as well as college faculty. The internship is designed to increase understanding of IST and the IST-related issues and perspectives as they relate to the business and social environment.

ISTC4055**IT-SENIOR SEMINAR****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC4042

This comprehensive capstone course provides students with an opportunity to develop an individual and group project demonstrating their Information Technology and project management skills. Students will examine emerging technologies and their implications for IT, refine their presentation skills and research Information Technology related issues.

ISTG5010**CYBER SECURITY AND DISASTER RECOVERY****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

PREREQUISITE: ISTC3034

This course incorporates the use of object oriented programming languages such as Python and Java to develop solutions based on organizational needs assessments. Effective analysis will result in the subsequent design of object oriented solutions. Prereq: ISTC3034 Programming in Java, or transfer equivalent or work experience.

ISTG6015**DATA MINING, DATA ANALYTICS AND BIG DATA****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC2045

This course focuses on the collection, analysis, and utilization of data. Because of the size and complexity of the data, tools for statistical analysis will be utilized. Topics include modeling, key performance indicator identification, and data visualization. Use of data analytics for strategic decision making and actionable insights across the organization will be discussed. Statistical software such as SPSS or SAS and web analytical tools such as Google Analytics may be incorporated as well as the R programming language, a tool for statistics, visualization, and data science. Prereq: ISTC2045 Data Base Mgmt Systems or ISTC3046 Advanced Data Base Mgmt Systems, or transfer equivalent or work experience.

ISTG6020**STRATEGIC MANAGEMENT OF INFORMATION SYSTEMS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC2021

Organizations must recognize the need to manage Information Systems as a strategic resource. This course will explore the need for corporate vision within the technological environment. It focuses on information system integration and the strategic challenges of the digital world as well as an organization's core competencies, competitive strategies and information systems strategies. Policies and procedures concerning the implementation of information systems are also discussed. Approaches to the effective management of information systems are analyzed using the case study methodology. Prereq: ISTC2021 Management of Information Systems, or transfer equivalent or work experience.

ISTG6025**PROJECT MANAGEMENT****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ISTC4042

Analysis of the major components of project management is the focus of this course. The requirements of managing projects locally and across the globe are considered. This course focuses on the organization's need to organize, plan and control projects and their associated costs and resources. Change management as an integral part of the changing dynamic within information systems will be discussed in detail. Topics include the project management life cycle; initiating the project, stakeholder analysis, project roles and responsibilities, planning, controlling, organizational styles and managing expectations. This is a project based course in that students will be required to use the appropriate tools to actively organize and manage a project. Prereq: ISTC4042 Systems Analysis & Design or transfer equivalent or work experience.

ISTG6030**ENTERPRISE INFORMATION SYSTEMS****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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.

LEAD3001**DYNAMICS OF TEAMS****Credits (Min/Max): 3.00/3.00**

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 processes, 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 field analysis.

LEAD3051**INFORMATION LITERACY****Credits (Min/Max): 3.00/3.00**

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): 6.00/6.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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 implementing 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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00****LEADERSHIP MAJORS ONLY.**

This course provides the critical skills necessary to evaluate and determine useful information for decision-making in an organization. The student will have an opportunity to study expert's research. We will explore problem solving, search strategies for research queries, how to identify good quality 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): 1.00/1.00**

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): 0.00/0.00**

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.

LRUX2500
INVESTIGATING SOCIAL PROBLEMS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: LRUX1001

This class INCLUDES 20 HOURS OF SERVICE-LEARNING TO BE COMPLETED IN ADDITION TO CLASS TIME.

Through the lens of the University mission, this three-credit experiential course requires students to collaborate to plan and execute a service project. Students will engage with the community to develop critical thinking & problem-solving skills while fostering civic and community responsibility. Students will link opportunities to address community issues with sound educational experiences.

LRUX2500H
INVESTIGATING SOCIAL PROBLEMS - HONORS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: LRUX1001

This class INCLUDES 20 HOURS OF SERVICE-LEARNING TO BE COMPLETED IN ADDITION TO CLASS TIME.

Through the lens of the University mission, this three-credit experiential course requires students to collaborate to plan and execute a service project. Students will engage with the community to develop critical thinking & problem-solving skills while fostering civic and community responsibility. Students will link opportunities to address community issues with sound educational experiences.

MATH1002
FOUNDATIONS OF QUANTITATIVE REASONING
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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.

MATH1029
PRE CALCULUS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH1010

This is a transition course from algebra and trigonometry to, and may serve, therefore, as a preparation for, calculus. The topics covered include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions and analytic trigonometry, polar coordinates and vectors, and the conic sections.

MATH1030
CALCULUS FOR BUSINESS, ECONOMICS AND MGMT SCIENCES
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH1010

A one-semester course in the differential and integral calculus of functions of a single variable. Emphasis on concepts and the skills of differentiation and integration with applications from Administration, Economics and Managerial Sciences.

MATH1032

ANALYTIC GEOMETRY AND CALCULUS I

Credits (Min/Max): 4.00/4.00

PREREQUISITE: MATH1010

The first semester of a three-semester integrated course in the elements of analytic geometry and differential and integral calculus. Included are the concept and applications of the derivative of a function of a single variable, differentiation of polynomials and the trigonometric functions, the chain, product and quotient rules, implicit differentiation, and differentials. Concludes with anti-differentiation, integration, area under graphs of functions and applications.

MATH1033

ANALYTIC GEOMETRY AND CALCULUS II

Credits (Min/Max): 4.00/4.00

PREREQUISITE: MATH1032

A continuation of MATH1032 including applications of the definite integral, area, arc length, volumes and surface area, centroids, average value and theorem of the mean for definite integrals. Derivatives and integrals of transcendental functions are followed by techniques of integration, L'Hopital's Rule and indeterminate forms and improper integrals. Also included are conic sections and polar coordinates.

MATH1040

PROBABILITY AND STATISTICS

Credits (Min/Max): 3.00/3.00

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.

MATH1070

FINITE MATHEMATICS FOR BUSINESS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH1010

This course introduces MIST students to the non-statistical and non-calculus topics in mathematics that are most relevant to their majors. The major topics to be studied include some or all of the following: logic; set theory; relations, with applications to relational algebra and relational calculus; sequences, geometric series, and mathematics of finance; systems of linear equations and matrices; linear programming; probability; and game theory. Excel enhanced by Visual Basic for Applications is used throughout the course.

MATH2000

MATHEMATICS FOR LIBERAL ARTS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH1010

As in-depth exploration of the applications of various types of mathematics, with an emphasis on problem solving skills. Writing skills are an integral part of this course. The connecting of mathematical ideas with other subject areas will be emphasized. These areas will include: art, biology, chemistry, coding, computers, demographics, fiction, genetics, logic, management, marketing, music, philosophy, physics, politics, psychology, and social planning. The discussion of original source documents will be an integral part of this course.

MATH2030

ANALYTIC GEOMETRY AND CALC III

Credits (Min/Max): 4.00/4.00

PREREQUISITE: MATH1010

A continuation of MATH1033 including a study of vectors, parametric equations, solid analytic geometry and functions of several variables. Includes partial differentiation, total differentials, multiple integrals and surface and line integrals, the theorems of Gauss and Stokes, and infinite series.

MATH2050

DISCRETE MATHEMATICS I

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH1032

A basic course dealing with mathematics applicable to computer science. It provides an introduction to mathematical methods and covers such topics as: enumeration, set theory, mathematical logic, proof techniques, number systems, functions and relations, graphs and digraphs, trees, combinatorics, basic algebraic structures, recurrence relations, Boolean algebra, and analysis of algorithms.

MATH3015

LINEAR ALGEBRA

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: MATH1033

A self contained course intended for students majoring in the natural sciences who are interested in specific applications of Mathematics to Neuroscience. Topics include: Isopotential Cells, Differential Equations, The Passive Cable, Fourier Series and Transforms, Dendritic Trees, Reduced Single Neuron Models, Probability and Random Variables, Integrate and Fire Models.

MATH3035

COMPLEX ANALYSIS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH2030

A course focusing on the calculus of complex numbers. Topics covered include complex numbers and functions, differentiation and integration with complex variables, complex series, conformal representation and the calculus of residues.

MATH3040

PROBABILITY AND STATISTICS I

Credits (Min/Max): 3.00/3.00

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.

MATH4015

MODERN ABSTRACT ALGEBRA

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH2031

An introduction to algebraic concepts such as groups, rings, integral domains and fields. The elementary number systems occupy a central place. Mappings, especially homomorphisms, are introduced early and emphasized through out the course.

MATH4035

REAL ANALYSIS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH2031

An introductory to classical (real) analysis. Includes a rigorous treatment of logic, set theory, functions, countable and uncountable sets, the real number system, metric spaces, sequences, series, differentiation and integration.

MATH4057

INDEPENDENT STUDY - MATHEMATICS

Credits (Min/Max): 1.00/4.00

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.

MATH4090

JR/SR SEMINAR IN MATHEMATICS

Credits (Min/Max): 1.00/1.00

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.

MCOM5010

ORGANIZATIONAL COMMUNICATION

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER

Conflict is inevitable, and communication is central to understanding and resolving it. This course will focus on the theory and practice of conflict management communication with a focus on developing student skills in effective and ethical conflict resolution. Students will apply theory-informed techniques that serve to make conflict-prone spaces more cooperative and supportive. Not only does the course offer the space to understand conflict in various forms through the social sciences, but it also calls on students to grow personally and professionally through the application of conflict management studies.

MCOM6020
INTERCULTURAL COMMUNICATION
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER

An interconnected world leads inevitably to intercultural contact. This course explores the complexities of intercultural communication in personal and professional contexts. Students will develop and practice skills that prepare them for both communicating with others from various cultures and to be open and understanding of differences in ways that contribute to effective collaboration and dialogue.

MCOM6030
STRATEGIC COMMUNICATION
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER

A plan is only effective if those implementing it understand it. This course focuses on the theory and practice of strategic communication: the ways organizations purposefully employ communication to meet specific objectives. The course focuses on developing strategies that bring complex plans to life for both subordinates and superiors. Students will work with actual organizations to constructively critique and compose public relations and social marketing campaigns, developing their abilities to respond to client needs effectively and ethically.

MCOM6040
SOCIAL MEDIA THEORY
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MCOM5040, GRADE OF C OR BETTER

Social media is a key feature of the social and business landscape across the world, and understanding it is crucial to harnessing its potential. This course explores the sociology of social media and how social media can be used as part of communications strategies for personal and corporate purposes. Students will apply media theory to critique social media platforms, business strategies, and ethical concerns. This course will explore the relationships between social media platforms and the content that proliferates through them, and in so doing, students will learn to formulate effective social media communication.

MCOM6050

COMMUNICATION & SOCIAL CHANGE

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MCOM5020, GRADE OF C OR BETTER

Communication has the power to change the world for the better. This course explores how communication for social change is planned and implemented productively. The course draws together issues of ethics and effective strategic thinking and planning towards creating positive change in the world. Students will design and evaluate communication campaigns in service of the public interest through collaboration with nonprofit organizations.

MCOM6090

PRACTICUM

Credits (Min/Max): 1.00/1.00

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.

MCOM6097

DIRECTED STUDY- COMMUNICATIONS- GRADUATE

Credits (Min/Max): 3.00/3.00

MLED2000

ENGLISH LANGUAGE LEARNERS IN THE MULTICULTURAL CLASSROOM

Credits (Min/Max): 3.00/3.00

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.

MLFR1001

ELEMENTARY FRENCH I

Credits (Min/Max): 4.00/4.00

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): 4.00/4.00

PREREQUISITE: MLFR1001, GRADE OF C- OR BETTER

As a continuation of Elementary French I, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning French. The goal of the course is the acquisitions of a useful, communicative command of the language at a Novice Mid to Intermediate Low level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.e., conversing with an exchange student, making grocery lists, completing forms, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.

MLFR2001

INTERMEDIATE FRENCH I

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MLFR1002, GRADE OF C- OR BETTER

These courses are designed to build on the student's previous skills, thereby improving oral proficiency. Vocabulary acquisition and the reading of authentic aural and written materials broaden the student's knowledge and linguistic abilities. Classroom activities focus on development of skill in self-expression. The student has many opportunities to expand cultural knowledge through films, videotapes, and informal rendezvous. Course is not open to students with an advanced or superior oral proficiency level in French.

MLFR2002
INTERMEDIATE FRENCH II
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MLFR2001, GRADE OF C- OR BETTER

This course is designed to teach the beginning French student the four basic skills of listening, speaking, reading, and writing. The focus of this course is the development of aural/oral proficiency by means of vocabulary development, listening and speaking practice, and guided conversation. Class work emphasizes the acquisition of strategies for understanding, authentic listening and reading materials. Through such activities as classroom discussions, videotapes, and films, the student becomes acquainted with various facets of francophone culture. Course is not open to students with an advanced or superior oral proficiency level in French.

MLGR1002
ELEMENTARY GERMAN II
Credits (Min/Max): 4.00/4.00

MLGR2001
INTERMEDIATE GERMAN I
Credits (Min/Max): 3.00/3.00

MLGR2002
INTERMEDIATE GERMAN II
Credits (Min/Max): 3.00/3.00

MLSP1001
ELEMENTARY SPANISH I
Credits (Min/Max): 4.00/4.00

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): 4.00/4.00

PREREQUISITE: MLSP1001, GRADE OF C- OR BETTER

As a continuation of Elementary Spanish I, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning Spanish. The goal of the course is the 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.

MLSP2001
INTERMEDIATE SPANISH I
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MLSP1002, GRADE OF C- OR BETTER

As a continuation of Elementary Spanish II, this course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in intermediate Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at the Novice High to Intermediate Low level on the national scale as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language tasks of functions (e.g., ordering a meal, making travel arrangements, visiting a doctor's office, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.

MLSP2002
INTERMEDIATE SPANISH II
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MLSP2001, GRADE OF C- OR BETTER

As a continuation of Intermediate 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 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.

MRKT2007

ADVERTISING AND PUBLIC RELATIONS (ADMG2007)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT2021 AND ADMG2021

A comprehensive study of advertising, detailing its relationship to marketing practice. Topics such as advertising preparation, media evaluation, market research, pricing and retailing problems are included. The role of public relations in an organizational communication program is also explained. *Cross-listed with ADMG2007*

MRKT2021

MARKETING MANAGEMENT (ADMG2021)

Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

PREREQUISITE: MRKT2021 AND ADMG2021

This course focuses on the role of buyers in the marketing process. Buyer behavior in the consumer marketplace as well as the organizational buying process is examined. The study of buying behaviors enhances understanding of what marketing strategies are likely to be effective, how humans operate in the marketplace, and what kind of affective, cognitive, and social mechanisms enter into the purchasing decision. A sampling of specific topics addressed includes the role of attitudes, learning and memory, and lifestyles and culture in the buying decision.

MRKT3016

PERSONAL SELLING

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT2021 AND ADMG2021

This course introduces the student to the basic principles and foundations of Personal Selling on three levels: industrial, commercial and retail. Emphasis is on the detailed analysis of the sales process as viewed by the salesperson. Other sales foundation topics covered include the organizational buying process, sales communications, the theory of adaptive sales, and ethical/legal issues in selling. Using a variety of instructional methods such as role-playing and video cases, students are given an opportunity to practice their newly acquired sales skills.

MRKT3033

MARKETING RESEARCH

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT2021, MRKT3012

Explores the function which links the consumer, customer, and public to the marketer through information -- information used to identify and define marketing opportunities and problems; generate, refine, and evaluate marketing actions; and, monitor marketing performance. This course deals with the planning for, collection, and analysis of data relevant to marketing decision-making and the communication of the results of this analysis to management.

MRKT3049

INT'L MKT AND EXPORT MGMT (INMT3049)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT2021 AND ADMG2021

An upper level course focusing on key management functions in international marketing: entry strategies, product and pricing politics, financing, promotion and distribution. The course will also concentrate on export management that is the major international activity of most small and medium-sized companies. *Cross-listed with INMT3049*

MRKT3050

INTERNET MARKETING

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ADMG2021 AND MRKT2021

Marketers have been using electronic tools for many years, but the Internet and other new electronic technologies have created a flood of interesting and innovative ways to provide customer value. Internet Marketing is traditional marketing using electronic methods. It affects traditional marketing in two ways. First, it increases efficiency in established marketing functions. Secondly, the technology of E-marketing transforms many marketing strategies. The transformation results in new business models that add customer value and may increase company profitability. These new opportunities create many questions that are addressed in this course. How can firms leverage new technologies to maximum benefit? How much commitment should marketers make to Internet marketing programs?

MRKT4001

MARKETING FOR NONPROFITS

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT3012

This course positions marketing as the most critical discipline needed for the success of non-profit organizations. Emphasis is placed on the influencing of behavior over a wide range of target markets including clients, donors, policy accomplished by organizing much of the discussion of strategic and tactical marketing options available for non-profit's own paid staff. This is accomplished by organizing much of the discussion of strategic and tactical marketing options available for non-profits around two central behavioral science models: Stages of Change and BCOS Drivers (Benefits, Costs, Others, Self-Efficacy). In addition, this course removes the misconception of non-profit enterprise flourishing everywhere in the world, including Asian and formerly communist countries. The latest research on institutional structure, volunteering, and fundraising is integrated through lectures, vignettes, and case examples

MRKT4014

MARKETING STRATEGY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT3012, MRKT3033, MRKT2021, ADMG2021

A capstone course in marketing that emphasizes planning at the management level. Examines key concepts and issues that impact planning decisions, such as analysis of the marketing environment; formulation of marketing strategies; and development, implementation, and control of the marketing program. Using case studies, students are expected to develop comprehensive marketing plans and recommended solutions to specific situations encountered by marketing professionals operating in a wide variety of organizations.

MRKT4016

BRAND MANAGEMENT

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ADMG2021 AND MRKT2021

This course addresses the concept of branding which is of major importance to any company using a branding strategy. The role of the brand manager is examined in this combination theory and skills course. Various marketing techniques are studied for the overall responsibility of a brand in order to increase brand equity.

MRKT4031

CONTEMPORARY CONCEPTS IN MARKETING

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT2021, MRKT3012, MRKT3033, ADMG2021

As the signature course in the Marketing Program, this is a seminar on issues currently drawing attention in the marketing literature and the business community that affect marketing management. Ethical considerations are explored that affect marketing policy-making. Through additional case analysis some of the worst marketing blunders and mistakes in history are examined and evaluated.

MRKT4035

RETAIL MARKETING AND MANAGEMENT

Credits (Min/Max): 3.00/3.00

PREREQUISITE: MRKT2021 AND ADMG2021

Retail marketing examines the set of business activities that adds value to the products and services sold to consumers for their personal or family use. Topics include: store-based retailing, electronic and non-store retailing forms, merchandising, retail pricing, store layout and management, site selection, and retail market strategies.

MRKT4051

INTERNSHIP I - MARKETING

Credits (Min/Max): 1.00/6.00

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): 3.00/3.00

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)

NSCH1025**NORMAL AND CLINICAL NUTRITION****Credits (Min/Max): 3.00/3.00**

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.

NURN5004**THEORY AND PROFESSIONAL NURSING PRACTICE****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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 nursing'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): 3.00/3.00**

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**PROF NURSING PRACTICE: ESSENTIALS****Credits (Min/Max): 3.00/3.00**

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**PROF NURSING PRACTICE: FUNDAMENTALS****Credits (Min/Max): 3.00/3.00**

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.

NURN5103C**PROFESSIONAL NURSING PRACTICE: FUNDAMENTALS - CLINICAL****Credits (Min/Max): 2.00/2.00****NURN5105****ESSENTIALS OF PHARMACOLOGY****Credits (Min/Max): 3.00/3.00**

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.

NURN5105L**ESSENTIALS OF PHARMACOLOGY-LAB****Credits (Min/Max): 1.00/1.00****NURN5107****INQUIRY AND EVIDENCE IN PROFESSIONAL NURSING PRACTICE****Credits (Min/Max): 3.00/3.00**

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**PROF NURSING PRACTICE: ADULT I****Credits (Min/Max): 4.00/4.00**

This course is designed to promote development and application of the essential concepts and fundamental skills of the student'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.

NURN5109C**PROFESSIONAL NURSING PRACTICE: ADULT I - CLINICAL****Credits (Min/Max): 2.00/2.00****NURN5111****SPECIAL CONSIDERATION IN THE CARE OF THE OLDER ADULT****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00**

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**PROF NURSING PRACTICE: ADULT II****Credits (Min/Max): 3.00/3.00**

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.

NURN5117C**PROF NURS PRACTICE: ADULT II CLINIC****Credits (Min/Max): 2.00/2.00****NURN5119****PROF NURSING PRACTICE: MENTAL HEALTH****Credits (Min/Max): 3.00/3.00**

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.

NURN5119C**PROF NUR PRACT: MENTAL HEALTH CLINIC****Credits (Min/Max): 2.00/2.00****NURN5121****RESEARCH METHODS****Credits (Min/Max): 3.00/3.00**

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**PROF NURSING PRACTICE: ADULT III****Credits (Min/Max): 3.00/3.00**

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.

NURN5123C**PROF NURS PRAC: ADULT III -CLINICAL****Credits (Min/Max): 2.00/2.00****NURN5124C****PROF NUR: MATERNAL NEWBORN CLINICAL****Credits (Min/Max): 1.00/1.00**

This maternal newborn clinical course accompanies the NURN 5125 Professional Nursing Practice: Women and Children theory course and must be taken concurrently with the NURN5125 theory course. The 45-hour clinical experience provides the student with an opportunity to apply the course's theoretical concepts and implement holistic, safe, family-centered care to pregnant populations and newborns in selected settings. This course is graded as "Pass/Fail." Successful completion of this course ("Pass") requires satisfactory clinical performance.

NURN5125**PROF NURSING PRACTICE:WOMEN & CHILD****Credits (Min/Max): 3.00/3.00**

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.

NURN5125C**PROFESSIONAL NURSING PRACTICE: WOMEN AND CHILDREN - CLINICAL****Credits (Min/Max): 2.00/2.00****NURN5126C****PROF NURS PRACT: PEDIATRIC CLINICAL****Credits (Min/Max): 1.00/1.00**

This pediatric clinical accompanies the NURN 5125 Professional Nursing Practice: Women and Children theory course and must be taken concurrently with that NURN5125 theory course. The 45-hour clinical experience provides the student with an opportunity to apply the course's theoretical concepts and implement safe, family-centered care to children in selected settings. This course is graded as "Pass/Fail." Successful completion of this course ("Pass") requires satisfactory clinical performance.

NURN5127**HEALTH PROMOTION ACROSS THE LIFESPAN****Credits (Min/Max): 3.00/3.00**

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**PROF NURSING PRACTICE: NUR PRACTICU -COMPREHENSIVE NURSING PRACTICUM****Credits (Min/Max): 1.00/1.00**

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.

NURN5129C**PROFESSIONAL NURSING PRACTICE: COMPREHENSIVE NURSING PRACTICUM****Credits (Min/Max): 2.00/2.00****NURN5131****NURSING LEADERSHIP****Credits (Min/Max): 3.00/3.00**

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.

NURU3021**LEADERSHIP IN NURSING PRACTICE****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

This course is designed to provide the student an overview of the context of health care including the organization and financing of patient services, how reimbursement is structured, and the scope and role of regulatory agencies that define boundaries of nursing practice. Health care policy issues and the political process addressing those issues will be examined. Strategies for influencing the political process by nurses, other health professionals, lay and special advocacy groups will be explored.

NURU4021
COMMUNITY NURSING
Credits (Min/Max): 3.00/3.00

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.

PART1001
MUSIC APPRECIATION I (SLAE)
Credits (Min/Max): 3.00/3.00

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)

PART1004
FR BALLET TECHNIQUE
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00**

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.

PART1012**FR VARIATIONS/REPERTOIRE****Credits (Min/Max): 1.00/1.00**

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.

PART1022**FUNDAMENTALS OF MUSIC I (SLAE)****Credits (Min/Max): 3.00/3.00**

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)

PART1055**HISTORY OF MUSICAL THEATER****Credits (Min/Max): 3.00/3.00**

A SURVEY OF MUSICAL THEATER AND ITS DEVELOPMENT FROM ITS ROOTS THROUGH THE EARLY 20TH CENTURY, THE ZIEGFELD FOLLIES, THE 1920s IN NEW YORK, BROADWAY AND HOLLYWOOD IN THE 1930s, THE GOLDEN AGE OF MUSICALS AND MOVIES UP TO AND INCLUDING TODAY'S MUSICAL THEATER. (SLAE)

PART3015**DANCE PEDAGOGY I****Credits (Min/Max): 3.00/3.00**

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.

PART3030**DANCE COMPOSITION I****Credits (Min/Max): 3.00/3.00**

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.

PART4000**SR PERFORMANCE****Credits (Min/Max): 1.00/1.00**

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): 3.00/3.00**

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): 3.00/3.00**

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): 1.00/1.00

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.

PART4030
DANCE COMPOSITION II
Credits (Min/Max): 3.00/3.00

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.

PART4055
SENIOR SEMINAR IN PER ARTS/DANCE
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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): 3.00/3.00

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)

PHIL3027
BIOMEDICAL ETHICS
Credits (Min/Max): 3.00/3.00

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.

PHYS1010
PHYSICS FOR HEALTH SCIENCE
Credits (Min/Max): 3.00/3.00

PREREQUISITE: MATH1010

This course is designed to provide a broad background in physics for those who will enter the allied health professions. Applications will be made to the biological and physiological sciences, as well as to the various types of equipment. Lecture and laboratory course.

PHYS1010L
PHYSICS FOR HEALTH SCIENCE - LAB
Credits (Min/Max): 1.00/1.00

Laboratory for PHYS1010 Physics for Health Science

PHYS1032**GENERAL PHYSICS I****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: MATH1032

This is the first of a three-semester introduction to calculus-based physics stressing experimental and problem-solving techniques. Concepts covered are mechanics, kinematics, Newton's laws of motion, conservation laws, rotational motion, gravitation, oscillation, and wave/acoustics.

PHYS1032L**GENERAL PHYSICS I - LAB****Credits (Min/Max): 1.00/1.00**

PREREQUISITE: MATH1032

Laboratory for PHYS1032 General Physics I

PHYS1033**GENERAL PHYSICS II****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PHYS1032

The second of a three-semester introduction to calculus-based physics. Concepts covered are thermal properties and electromagnetism: thermodynamics, electricity, magnetism, electromagnetic wave, geometrical optics, and physics optics.

PHYS1033L**GENERAL PHYSICS II - LAB****Credits (Min/Max): 1.00/1.00**

Laboratory for PHYS1033 General Physics II

POLI1003**UNDERSTANDING THE U.S. CONSTITUTION (CRIM1003)****Credits (Min/Max): 3.00/3.00**

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

POLI1022**AMERICAN GOVERNMENT****Credits (Min/Max): 3.00/3.00**

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.

POLI2002**MULTICULTURAL HISTORY OF THE U.S.****Credits (Min/Max): 3.00/3.00**

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

POLI3005**CONSTITUTIONAL LAW (CRIM3005)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CRIM1003 AND ENGL1012 (GRADE OF D+ OR BETTER)

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)

POLI3015**HISTORY/POLITICAL THOUGHT (HIST3015)****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00

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): 3.00/3.00

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 is 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

POLI3033
AMERICAN FOREIGN POLICY (INST3033)
Credits (Min/Max): 3.00/3.00

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

POLI3036
HIST OF AMERICAN VALUES, BELIEFS (HIST3036)
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

In this course we compare and contrast different U.S. presidents through 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. presidential elections, especially the upcoming election and the most recent election.

POLI3050
POLITICS OF WEAK STATES
Credits (Min/Max): 3.00/3.00

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): 3.00/3.00

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

POLI3055
TODAY'S GLOBAL WARS
Credits (Min/Max): 3.00/3.00

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.

POLI3085**MARXIST POLITICAL THOUGHT (HIST3085)****Credits (Min/Max): 3.00/3.00**

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.

POLI4051**INTERNSHIP I - POLITICAL SCIENCE****Credits (Min/Max): 1.00/6.00**

A field experience in selected professional environments. The student is given the opportunity to integrate theoretical knowledge with practical application under the guidance of professionals at the particular institute to which the student is assigned.

PSED1007**ACADEMIC ORIENTATION FOR VARSITY ATHLETES****Credits (Min/Max): 3.00/3.00**

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): 1.00/1.00**

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.

PSED1014**INTRO TO FITNESS/SPORTS: YOGA****Credits (Min/Max): 1.00/1.00**

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.

PSYC1021**INTRO TO PSYCHOLOGY****Credits (Min/Max): 3.00/3.00**

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.

PSYC2010**CAREER AND PROFESSIONAL DEVELOPMENT****Credits (Min/Max): 3.00/3.00**

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

PSYC2015**HEALTH PSYCHOLOGY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This course explores psychological contributions to physical health and illness enhancement of physical health and the understanding and control of psychological processes that undermine health are addressed from theoretical and applied perspectives. Topics include the psychology of stress, pain, illness and treatment, and addictive lifestyle behaviors such as drinking and smoking.

PSYC2018

HUMAN SEXUALITY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021 OR PSYC1021H

This course explores adult human sexuality from multiple perspectives: biological bases, roles of gender, cultural influences, and historical foundations. Topics include the exploration of healthy sexual activity, conception and pregnancy. Sexual problems will be addressed as well, covering such topics as sexual dysfunction, sexually transmitted diseases, sexual exploitation.

PSYC2022

CHILD DEVELOPMENT

Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021 OR PSYC1021H

This course provides students with a comprehensive introduction to the field of developmental science with emphasis on the period from conception through middle childhood. The course approaches development by making use of both historical and contemporary scientific theory and investigates the major domains of development--biological, cognitive, social and emotional--from a chronological perspective.

PSYC2040

ADOLESCENT DEVELOPMENT

Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021 OR PSYC1021H

This course is designed to provide an overview of the physical, cognitive, social, and emotional developmental changes occurring during adolescence. Attention will be given to the contexts in which development occurs: the family, school, and peer group--as well as psychological changes in identity, autonomy, and intimacy. Psychological disorders that manifest during adolescence will be examined.

PSYC2061

EDUCATIONAL PSYCHOLOGY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021 OR PSYC1021H

This course provides an introduction to educational psychology, the science of learning and teaching. Students will be exposed to the research methods used in psychological science, theoretical approaches to cognitive development and learning, and applications of those theories to understanding student behavior in the context of the school environment.

PSYC2065

FORENSIC PSYCHOLOGY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021

The course provides the student with a general introduction to the practice of forensic psychology. The field addresses ways in which experts in psychological science contribute to the legal system. Potential topics include eyewitness memory, the insanity defense, child custody, lie detection, criminal profiling, violent crime, and more.

PSYC3011

RESEARCH METHODS IN PSYCHOLOGY

Credits (Min/Max): 3.00/3.00

PREREQUISITE: ENGL2030 and MATH1040 --or--CRIM2012

This course examines the major experimental designs and methods of scientific psychology. The nature of psychology as a science, types of and evaluation of research design and conclusions, conducting of research, preparation of research papers and ethics in research in psychology are covered.

PSYC3020

DEATH AND DYING (SOCL3020)

Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021 OR PSYC1021H

This course is topical overview of some of the diverse areas of inquiry grouped under the general heading death and dying. The basic purpose of this course is to help students understand grief, loss, dying, and death--both as an objective fact and as it relates to their own personal experiences--and to apply this understanding their common experiences. The social, cultural, spiritual, emotional, and intellectual dimensions of death and dying will be examined from an interdisciplinary, but mostly social psychological and sociological perspective with the goal of enhancing the meaning of life and living. Cross-listed with SOCL3020

PSYC3023**PSYCHOLOGICAL DISORDERS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This course begins with definitions of abnormal behavior. Most of the course focuses upon various classifications of abnormality based on the most recent DSM, such as mood disorders, anxiety disorders, dissociative disorders, somatoform disorders, stress and physical health, personality disorders, eating disorders, substance use disorders, sexual and gender-identity disorders, and schizophrenia. Etiology, symptomatology, and treatment are explored throughout the semester.

PSYC3025**INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This course studies the organizational structure and processes in a variety of areas, including personnel, recruitment, selection, placement and counseling; supervision and leadership; motivation and moral; the conditions of work; training, organizational climate; consumer psychology; multinational corporations and diversity in organizations.

PSYC3028**THEORIES OF PERSONALITY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This course will explore theory and research on personality and other factors contributing to consistency in individuals' behavior, cognition, and emotion. Concepts from major perspectives like the psychodynamic, behavioral, cognitive, biological, humanistic, and more will be examined. Finally the application of theory to many topics will be covered, potentially including psychological disorders, gender differences, interpersonal relationships, morality, and pro- and anti-social behavior.

PSYC3030**INTERPERSONAL AND GROUP DYNAMICS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This course reviews current psychological theory and research on small groups and interpersonal relations with an examination of interaction between individual behavior and group phenomena. The course provides a significant experience in the dynamics of a small group.

PSYC3032**PSYCH OF ADULTHOOD AND AGING****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This course examines the years from emerging adulthood through the end of life from a development are explored, with attention given to qualitative and quantitative approaches. Theories of change throughout the life course are investigated, as well as normative changes in physical health, cognition, work life, personality, and intimacy.

PSYC3035**BIOLOGICAL PSYCHOLOGY****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This course explores physiological bases of human psychological experiences. The nervous and endocrine systems are examined in relationship to emotions, stress, psychological disorders, and other processes.

PSYC3040**COUNSELING THEORIES AND METHODS I****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: PSYC1021 OR PSYC1021H

This is the first course in a two-course counseling sequence. Taken together, these two courses are designed to: a) familiarize students with the basic concepts in the field of counseling; b) introduce students to the major theoretical approaches to counseling and psychotherapy; and c) enable students to develop a level of counseling skill that will enable them to function effectively in a supervised setting. This first semester is more than 50% abstract (lecture/discussion) learning.

PSYC3041**COUNSELING THEORIES AND METHODS II****Credits (Min/Max): 3.00/3.00**

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.

PSYC3150
COGNITIVE PSYCHOLOGY
Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021 OR PSYC1021H

Cognitive Psychology explores the interdependent processes that occur in 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?!"

PSYC3152
APPLIED BEHAVIOR ANALYSIS
Credits (Min/Max): 3.00/3.00

PREREQUISITE: PSYC1021 OR PSYC1021H

This course will address basic principles of learning and conditioning as well as their usefulness in behavior modification. Applications to normal and abnormal behavior in the home, school, work and other environments will be emphasized.

PSYC4051
INTERNSHIP I - PSYCHOLOGY
Credits (Min/Max): 1.00/6.00

An application of behavioral, developmental, group dynamics, and counseling principles through actual work experience. Internship may be repeated. Further information is available from instructor.

PSYC4052
INTERNSHIP II - PSYCHOLOGY
Credits (Min/Max): 1.00/6.00

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): 3.00/3.00

PREREQUISITE: PSYC3011

This is the capstone course that is required of all psychology majors. It is designed to assist students to complete their undergraduate study of psychology through independent reading and library and database research, writing of an integrated literature review, and class discussion of these seminar papers which are presented orally by the students.

RELS1003
WORLD RELIGIONS (SLRS)
Credits (Min/Max): 3.00/3.00

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)

SASU3028
EXPLORING CULTURAL GEOGRAPHY - STUDY ABROAD/STUDY USA:
Credits (Min/Max): 1.00/1.00

SP19 Trip to Hungary in May

SASU3033
EXP PHYSICAL ACT & WELLNESS ABROAD STUDY ABROAD/STUDY
Credits (Min/Max): 1.00/1.00

SP19 trip to Costa Rica

SCMG3040
LOGISTICS MANAGEMENT
Credits (Min/Max): 3.00/3.00

Prerequisite: MATH1040

This course employs a technical and analytical approach to designing and executing the logistics function within business supply chains. Topics include the analysis and evaluation of the key logistical domains of order processing, inventory functions, warehousing, transportation, distribution, and customer service elements, using quantitative methods and management science techniques. Applying a systems perspective for optimization of logistical parameters toward supply chain efficiencies in the varied dynamics of transactional fulfillment will also be addressed.

SCMG4055**SEMINAR IN SUPPLY CHAIN MANAGEMENT****Credits (Min/Max): 3.00/3.00**

This course focuses on managing the flow of materials, goods, services, information, and cash via the processes, technologies, and facilities that link primary suppliers through ultimate customers. Topics include the full supply chain management flow, Enterprise Resource Planning Systems (ERP), and Materials Requirement Planning (MRP). Interdisciplinary managerial concepts are presented to show how the integration of the supply chain processes offers great potential for improving corporate profitability and return on investment.

SCMG4097**DIRECTED STUDY - SUPPLY CHAIN MGMT****Credits (Min/Max): 1.00/6.00****SOCL1021****RACE, CLASS AND GENDER: INTRO TO SOCIOLOGY (SLSO)****Credits (Min/Max): 3.00/3.00**

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.

SOCL1034**RACE AND ETHNICITY (SLSO)****Credits (Min/Max): 3.00/3.00**

A study of the social relationships of racial, ethnic, religious and other minority groups with emphasis on personal, cultural and social development.

SOCL2016**POLICE AND SOCIETY (CRIM2016)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: CRIM1001

This course reviews current issues and problems in law enforcement and interrelations with the society-at-large and cultural/ethnic sub-groups. It examines informal exercise of police authority or force, governmental/agency policies, legal requirements, role demands and conflicts experienced by police officers, and the norms of the police sub-culture. Cross-listed with CRIM2016

SOCL2040**FOUNDATION OF SOCIAL THOUGHT****Credits (Min/Max): 3.00/3.00**

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.

SOCL2070**CULTURE AND HUMAN SOCIETIES****Credits (Min/Max): 3.00/3.00**

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.

SOCL3011**RESEARCH METHODS****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: MATH1040 AND CRIM2012

This course examines major research methods. The student will be exposed to the development and evaluation of research design and conclusions, conducting of research, preparation of research papers and ethics in research. The emphasis will be on survey methods, participant observation and ethnographic research.

SOCL3020**DEATH AND DYING****Credits (Min/Max): 3.00/3.00**

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.

SOCL3027**FAMILY RELATIONS****Credits (Min/Max): 3.00/3.00**

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.

SOCL3030**THEORIES OF CRIMINAL DEVIANCE (CRIM3030)****Credits (Min/Max): 3.00/3.00**

PREREQUISITE: ENGL1012

An examination of the etiology and major theories of criminality, with special reference to the rational choice, routine activity, biological and psychosocial theories of deviance. This course will examine criminal deviance by analyzing both criminal and victim populations, with particular emphasis on crime typology and the analysis of criminal behavior. The responses of the Criminal Justice System and private security experts to criminal behavior from situational crime prevention techniques to correctional treatment methods are explored and discussed. Cross-listed with CRIM3030

SOCL3051**DEVELOPMENT IN SOUTHEAST ASIA (HIST/POLI3051)****Credits (Min/Max): 3.00/3.00**

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): 3.00/3.00**

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.

SOCL4055**SENIOR SEMINAR****Credits (Min/Max): 3.00/3.00**

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.

SPCH1001**MODERN PUBLIC SPEAKING****Credits (Min/Max): 3.00/3.00**

Intended to develop an understanding of and facility in the preparation, organization, delivery and criticism of speeches.

SPCH1010**ORAL COMMUNICATION****Credits (Min/Max): 3.00/3.00**

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.

XRPT1000**PCHE CROSS REG PITT****Credits (Min/Max): 0.00/5.00**

Fall2024 Academic Calendar

Wednesday, March 20, 2024 - Sunday, March 31, 2024	Advising period for Fall 2024. Online registration remains open through July 28, 2024. \$100 late registration fee charged after this date for continuing students.
Saturday, August 10, 2024	Fall Tuition Due
Thursday, August 15, 2024	Online December Graduation Application opens
Friday, August 23, 2024	Freshman Orientation/Convocation. Freshmen Move-in Day.
Sunday, August 25, 2024	Residence Halls open at 10:00 am for upper-class students.
Monday, August 26, 2024	ELMSN 15-week & first ELMSN 7-week session classes begin at 8:00am.
Monday, August 26, 2024 - Friday, December 6, 2024	ELMSN 15-week session dates
Monday, August 26, 2024 - Friday, October 11, 2024	ELMSN first 7-week accelerated session dates
Monday, August 26, 2024	Full semester 16-week & first 8-week (8A, OA) accelerated session classes begin at 8:00 am
Monday, September 2, 2024	Labor Day Holiday. No classes. (Classes missed due to a holiday will be made up as indicated on the course syllabus)
Tuesday, September 3, 2024	ELMSN LAST DAY TO ADD/DROP 15-week classes with 100% tuition refund; No fee
Tuesday, September 3, 2024	ELMSN LAST DAY TO ADD/DROP first 7-week classes with 100% tuition refund; No fee
Tuesday, September 3, 2024	LAST DAY TO ADD/DROP 16-week classes with 100% tuition refund; No fee
Wednesday, September 4, 2024 - Friday, November 1, 2024	Begins prorated tuition refund period for 16-week class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, September 20, 2024	ELMSN LAST DAY TO WITHDRAW from a first 7-week accelerated session class. "W" grade assigned
Friday, September 27, 2024	LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class. "W" grade assigned
Friday, October 4, 2024	Summer 2023 Incomplete grades due
Saturday, October 5, 2024 - Tuesday, October 8, 2024	FALL BREAK - No 16-week classes; 8-week (8A, OA) accelerated session classes will still meet.
Wednesday, October 9, 2024	Full semester classes resume at 8:00 am.
Monday, October 14, 2024 - Friday, December 6, 2024	ELMSN second 7-week accelerated session dates
Monday, October 14, 2024 - Friday, October 18, 2024	Midterm examinations for 16-week classes
Tuesday, October 15, 2024	LAST DAY to apply for December graduation (online) without being charged \$25 late fee. Late fee charged after this date.
Tuesday, October 15, 2024	Online December Graduation Application closes
Monday, October 21, 2024 - Friday, November 1, 2024	Advising period for Spring & Summer 2025 semesters; Online initial registration continues through December 2, 2024 for Spring & through May 30, 2025 for Summer registration; \$100 late fee charged after these dates.

Monday, October 21, 2024

ELMSN LAST DAY TO ADD/DROP second session 7-week classes with 100% tuition refund;
No fee

Monday, October 21, 2024

Major Declaration or Change Deadline. (Undeclared students with 60 or more credits MUST
declare by this date)

Monday, October 21, 2024	Second 8-week (8B, OB) accelerated session classes begin
Tuesday, October 22, 2024	Final grades for first 8-week (8A, OA) accelerated session classes due by 11:59 pm
Tuesday, October 22, 2024	Midterm grades in 16-week classes due by 11:59 pm. Required for all undergraduate students.
Monday, October 28, 2024	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 29, 2024	Begins no tuition refund for second 8-week (8B, OB) accelerated session class withdrawals. "W" grade assigned
Friday, November 1, 2024	ELMSN LAST DAY TO WITHDRAW from 15-week session class. "W" grade assigned
Friday, November 1, 2024	LAST DAY TO WITHDRAW from a 16-week class. "W" grade assigned
Friday, November 8, 2024	ELMSN LAST DAY TO WITHDRAW from a second 7-week accelerated session class. "W" grade assigned
Friday, November 22, 2024	LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned.
Wednesday, November 27, 2024	Residence Halls close at 6:00 pm for Thanksgiving holiday.
Wednesday, November 27, 2024 - Sunday, December 1, 2024	THANKSGIVING BREAK begins Wednesday at 6:00 pm. No classes after 6:00.
Sunday, December 1, 2024	Residence Halls re-open at 12:00pm.
Monday, December 2, 2024	Classes resume at 8:00 am.
Friday, December 6, 2024	Last day for 16-week semester regular class meetings
Monday, December 9, 2024 - Friday, December 13, 2024	Final Examinations
Tuesday, December 10, 2024	Spring Tuition Due
Friday, December 13, 2024	Official December graduation date. No formal commencement ceremony.
Friday, December 13, 2024	Residence Halls close at noon on Friday or 24 hours after student's last final exam, whichever comes first.
Saturday, December 14, 2024	CHRISTMAS BREAK begins.
Monday, December 16, 2024	Final Grades for 16-week & second 8-week (8B, OB) accelerated session classes are due by 11:59 p.m.

Monday, August 26, 2024 - Friday, October 18, 2024	Session 8A First 8-week (8A, OA) accelerated session dates
Tuesday, September 3, 2024	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, September 4, 2024 - Friday, September 27, 2024	Session 8A Begins prorated tuition refund period for first 8-week (8A, OA) accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Wednesday, September 4, 2024 - Friday, September 27, 2024	Session 8A Begins prorated tuition refund period for first 8-week accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, September 27, 2024	Session 8A LAST DAY TO WITHDRAW from a first 8-week (8A, OA) accelerated session class with no refund. "W" grade assigned

Friday, October 18, 2024

Session 8A First 8-week (8A, OA) accelerated session classes end

Tuesday, October 22, 2024

Session 8A Final grades for first 8-week (8A, OA) accelerated session classes due by 11:59 pm

Monday, October 21, 2024 -
Friday, December 13, 2024

Session 8B Second 8-week (8B, OB) accelerated session dates

Monday, October 28, 2024

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 29, 2024

Session 8B Begins no tuition refund for second 8-week (8B, OB) accelerated session class. "W" grade assigned.

Friday, November 22, 2024

Session 8B LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned

Friday, December 13, 2024

Session 8B Second 8-week (8B, OB) accelerated session classes end

Monday, December 16, 2024

Session 8B Final grades for second 8-week (8B, OB) accelerated session classes due by 11:59 pm

Spring2025 Academic Calendar

Monday, October 21, 2024 - Friday, November 1, 2024	Advising period for Spring & Summer 2025; Online initial registration continues through December 2, 2024 for Spring & through May 30, 2025 for Summer registration. \$100 late fee charged after these dates.
Tuesday, December 10, 2024	Spring Tuition Due.
Wednesday, January 1, 2025	Online May Graduation Application Opens.
Sunday, January 5, 2025	PCHE cross registration requests must be submitted to the Registrar's Office by 4:30pm. Requests must be signed off by student's academic advisor prior to submittal.
Friday, January 10, 2025	Last day to initiate Spring 2025 registration. \$100 late fee for new registration after this date. Add/drop for already registered students continues through the add/drop deadline.
Sunday, January 12, 2025	Residence Halls open at 12:00 pm.
Monday, January 13, 2025	ELMSN 15-week & first ELMSN 7-week session classes begin at 8:00am.
Monday, January 13, 2025 - Friday, May 2, 2025	ELMSN 15-week session dates.
Monday, January 13, 2025	Full semester 16-week & first 8-week (8A, OA) accelerated session classes begin at 8:00 am.
Monday, January 20, 2025	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 21, 2025	ELMSN LAST DAY TO ADD/DROP 15-week classes with 100% tuition refund; No fee.
Tuesday, January 21, 2025	ELMSN LAST DAY TO ADD/DROP first 7-week classes with 100% tuition refund; No fee.
Tuesday, January 21, 2025	LAST DAY TO ADD/DROP 16-week classes with 100% tuition refund; No fee.
Tuesday, January 21, 2025	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 22, 2025 - Friday, March 21, 2025	Begins prorated tuition refund period for 16-week class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Wednesday, January 22, 2025	ELMSN begin prorated tuition refund period for 15-week & first 7-week accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Saturday, February 1, 2025	Last day to apply for May graduation (online) without being assessed a \$25 late fee. Late fee applied after this date.
Friday, February 7, 2025	ELMSN LAST DAY TO WITHDRAW from a first 7-week accelerated session class. "W" grade assigned.
Friday, February 14, 2025	LAST DAY TO WITHDRAW from the first 8-week (8A, OA) accelerated session classes. "W" grade assigned.
Saturday, February 15, 2025	Online August Graduation Application opens.
Friday, February 21, 2025	Fall 2024 Incomplete grades due.
Saturday, March 1, 2025	Online May Graduation Application closes.
Monday, March 3, 2025 - Friday, April 25, 2025	ELMSN second 7-week accelerated session dates.
Monday, March 3, 2025 - Friday, March 7, 2025	Midterm examinations for 16-week classes.

Friday, March 7, 2025

First 8-week (8A, OA) accelerated session classes end.

Friday, March 7, 2025	Residence Halls close at 6:00 pm for Spring Break.
Friday, March 7, 2025 - Sunday, March 16, 2025	SPRING BREAK. Begins at 6:00 pm.
Wednesday, March 12, 2025	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 16, 2025	Residence Halls re-open at 12:00pm.
Monday, March 17, 2025	Classes resume at 8:00 am.
Monday, March 17, 2025	ELMSN LAST DAY TO ADD/DROP second session 7-week classes with 100% tuition refund; No fee.
Monday, March 17, 2025	Second 8-week (8B, OB) accelerated session classes begin.
Tuesday, March 18, 2025 - Friday, April 4, 2025	Begins prorated tuition refund period for ELMSN second 7-week accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, March 21, 2025	ELMSN LAST DAY TO WITHDRAW from 15-week session class. "W" grade assigned
Friday, March 21, 2025	LAST DAY TO WITHDRAW from a 16-week class. "W" grade assigned.
Monday, March 24, 2025	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 25, 2025 - Friday, April 18, 2025	Begins prorated tuition refund period for second 8-week (8B, OB) accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Monday, March 31, 2025 - Friday, April 11, 2025	Advising period for Fall 2025. Online registration remains open through August 25, 2025. \$100 late registration fee charged after this date for continuing students.
Thursday, April 17, 2025 - Monday, April 21, 2025	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.
Saturday, April 19, 2025	LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned.
Monday, April 21, 2025	Classes resume at 6:00 pm. No day classes.
Wednesday, April 30, 2025	Last day to apply for August graduation (online) without being charged a \$25 fee. Late fee charged after this date.
Thursday, May 1, 2025	State deadline for filing Free Application for Federal Student Aid (FAFSA) for Pennsylvania State Grants.
Monday, May 5, 2025 - Friday, May 9, 2025	Final Examinations
Friday, May 9, 2025	16-week semester session & second 8-week (8B, OB) accelerated session classes end.
Friday, May 9, 2025	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 10, 2025	Official May Graduation date.
Saturday, May 10, 2025	Residence halls close at 6:00pm for graduates.
Tuesday, May 13, 2025	Final grades for 16-week & second 8-week (8B, OB) accelerated session classes are due by 11:59 pm.

Sunday, January 5, 2025

Session 8A PCHE cross registration requests must be submitted to the Registrar's Office by 4:30pm. Requests must be signed off by student's academic advisor prior to submittal.

Monday, January 13, 2025

Session 8A First 8-week (8A, OA) accelerated session classes begin.

Monday, January 13, 2025 - Friday, March 7, 2025	Session 8A First 8-week (8A, OA) accelerated session dates.
Tuesday, January 21, 2025	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 22, 2025 - Friday, February 14, 2025	Session 8A Begins prorated tuition refund period for first 8-week (8A, OA) accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, February 14, 2025	Session 8A LAST DAY TO WITHDRAW from the first 8-week (8A, OA) accelerated session classes. "W" grade assigned.
Friday, March 7, 2025	Session 8A First 8-week (8A, OA) accelerated session classes end.
Wednesday, March 12, 2025	Session 8A Final grades for first 8-week (8A, OA) accelerated session classes due by 11:59 pm.
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Sunday, January 5, 2025	Session 8B PCHE cross registration requests must be submitted to the Registrar's Office by 4:30pm. Requests must be signed off by student's academic advisor prior to submittal.
Monday, March 17, 2025	Session 8B Second 8-week (8B, OB) accelerated session classes begin.
Monday, March 17, 2025 - Saturday, May 10, 2025	Session 8B Second 8-week (8B, OB) accelerated session dates.
Monday, March 24, 2025	Session 8B LAST DAY TO DROP second 8-week (8B, OB) accelerated session classes with 100% tuition refund: No fee. Instructor's permission is required to add 8 week classes after the first class meeting.
Wednesday, March 26, 2025 - Tuesday, April 1, 2025	Session 8B Begins prorated tuition refund period for second 8-week (8B, OB) accelerated session class withdrawals. Financial aid, if applicable, will be prorated in accordance with federal and state guidelines. "W" grade assigned.
Friday, April 18, 2025	Session 8B LAST DAY TO WITHDRAW from a second 8-week (8B, OB) accelerated session class. "W" grade assigned.
Friday, May 9, 2025	Session 8B Second 8-week (8B, OB) accelerated session classes end.
Tuesday, May 13, 2025	Session 8B Final grades for second 8-week (8B, OB) accelerated session classes due by 11:59 pm

Summer2025 Academic Calendar

Thursday, October 17, 2024 - Thursday, May 22, 2025	Summer 2024 Online Registration Period. \$100 late registration fee charged after the first day of the session.
Saturday, March 15, 2025	Online August Graduation Application opens.
Wednesday, April 30, 2025	Last day to apply for August Graduation (online) without being assessed \$25 late fee.
Saturday, May 10, 2025	Summer Tuition Due
Monday, May 12, 2025 - Friday, August 22, 2025	ELMSN 15-week session dates
Monday, May 12, 2025 - Friday, June 27, 2025	ELMSN first 7-week accelerated session dates
Monday, May 19, 2025	ELMSN LAST DAY TO ADD/DROP 15-week classes with 100% tuition refund; no fee
Monday, May 19, 2025	ELMSN LAST DAY TO ADD/DROP first 7-week classes with 100% tuition refund; No fee
Tuesday, May 20, 2025 - Friday, July 11, 2025	ELMSN withdrawal period for 15-week session. "W" grade assigned.
Tuesday, May 20, 2025 - Friday, June 6, 2025	ELMSN withdrawal period for first 7-week session. "W" grade assigned.
Monday, May 26, 2025	Memorial Day. Closed; no classes. (Classes missed due to holiday will be made up as indicated on the course syllabus)
Tuesday, May 27, 2025 - Friday, August 1, 2025	10-WEEK SESSION DATES (FS/SU)
Tuesday, May 27, 2025 - Thursday, July 3, 2025	6-WEEK SESSION DATES (M2)
Tuesday, May 27, 2025 - Friday, July 18, 2025	8-WEEK SESSION DATES (M1)
Tuesday, May 27, 2025 - Friday, June 27, 2025	FIRST 5-WEEK SESSION DATES (M6)
Friday, May 30, 2025	August Graduation Application closes
Tuesday, June 3, 2025 - Tuesday, June 3, 2025	LAST DAY TO DROP 10-week (FS/SU) session classes with 100% tuition refund; No fee. Instructor's permission is required to add 10-week classes after the first class meeting.
Tuesday, June 3, 2025 - Tuesday, June 3, 2025	LAST DAY TO DROP 6-week (M2) accelerated session classes with 100% tuition refund; No fee.
Tuesday, June 3, 2025 - Tuesday, June 3, 2025	LAST DAY TO DROP first 5-week (M) accelerated session classes with 100% tuition refund; No fee. Instructor's permission is required to add 5-week classes after the first class meeting.
Tuesday, June 3, 2025 - Tuesday, June 3, 2025	Wednesday, June 4, 2025 - Friday, June 27, 2025
Wednesday, June 4, 2025 - Monday, July 7, 2025	Wednesday, June 4, 2025 - Friday, June 13, 2025
Wednesday, June 4, 2025 - Friday, June 20, 2025	

LAST DAY TO DROP
first 8-week (M1)
accelerated session
classes with 100%
tuition refund; No fee.
Instructor's permission
is required to add 8-
week classes after the
first class meeting.

Thursday, June 19, 2025	Juneteenth Holiday. Closed; no classes. (Classes missed due to holiday will be made up as indicated on the course syllabus).
Monday, June 30, 2025 - Friday, August 15, 2025	ELMSN second 7-week accelerated session dates.
Monday, June 30, 2025 - Friday, August 1, 2025	SECOND 5-WEEK SESSION DATES (M7)
Friday, July 4, 2025	Independence Day. Closed; no classes. (Classes missed due to holiday will be made up as indicated on the course syllabus)
Monday, July 7, 2025	ELMSN LAST DAY TO ADD/DROP second 7-week classes with 100% tuition refund; no fee.
Monday, July 7, 2025 - Monday, July 7, 2025	LAST DAY TO DROP second 5-week (M7) accelerated session classes with 100% tuition refund; no fee.
Monday, July 7, 2025	Spring 2024 Incomplete Grades Due.
Tuesday, July 8, 2025 - Friday, July 25, 2025	Withdrawal period for ELMSN second 7-week accelerated session classes. "W" grade assigned.
Tuesday, July 8, 2025 - Friday, July 18, 2025	Withdrawal period for second 5-week (M7) accelerated session classes. "W" grade assigned.
Friday, July 11, 2025	ELMSN LAST DAY TO WITHDRAW from a 15 week session class. "W" grade assigned.
Friday, July 25, 2025	ELMSN LAST DAY TO WITHDRAW from a second 7-week accelerated session class. "W" grade assigned.
Friday, August 22, 2025	Official summer graduation date, no formal commencement ceremony.