

**2015-2016**  
**Traditional Undergraduate**  
**Academic Catalog**



**Concordia University**  
**4090 Geddes Rd**  
**Ann Arbor, MI 48105**  
**[www.cuaa.edu](http://www.cuaa.edu)**

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## CONCORDIA UNIVERSITY ANN ARBOR

### OUR MISSION

Concordia University is a Lutheran higher education community committed to helping students develop in mind, body, and spirit for service to Christ in the Church and the world.

### STATEMENT OF PURPOSE

Concordia University is a Christian educational institution where the Lutheran understanding of Scripture and the Good News of Jesus Christ permeates the culture and is shared with the surrounding communities. Concordia University is a member of the national Concordia University System of ten universities and colleges of the Lutheran Church-Missouri Synod and is accredited by the North Central Association of Colleges and Schools. Our primary enterprises are learning, teaching, and scholarship grounded in faith. We are a community that expresses concern and care for every individual. Located in the heart of Southeast Michigan, Concordia University offers an intimate, stimulating campus environment in the midst of a cosmopolitan university community with an international flair. Concordia students enjoy a challenging academic environment dedicated to the intellectual, social, and spiritual growth of each individual in a supportive Christian community.

Concordia University admits qualified students without regard to age, race, color, national or ethnic origin, gender or disability to all the rights, privileges, programs and activities made available to students. Concordia University does not discriminate contrary to law on the basis of age, race, color, national or ethnic origin, gender or disability in the administration of its educational or admission policies, scholarship and loan programs, athletic and other university-administered programs. Concordia University's Disability Coordinator is Kellie Durham, Director of the Academic Resource Center. The Title IX Compliance Coordinator is Suzanne Siegle, J.D. They may be contacted via Concordia Ann Arbor's mailing address or helpdesk phone number: 4090 Geddes Road, Ann Arbor, MI 48105 or 734-995-7300.

Concordia University stands on 187 scenic acres overlooking the Huron River. The land was once a home to peoples of the Chippewa, Ottawa, Potawatomi, Huron and Miami nations, the campus is bisected by Geddes Road, formerly the Potawatomi Trail, an old Indian highway. In the spring of 1680, the French explorer LaSalle became the first European to view the campus site. The earliest settler of the land was Elnathan Botsford, one of the first residents of Ann Arbor, who arrived in 1825. In 1917, Harry Boyd Earhart purchased the property. A philanthropist, Mr. Earhart's interests focused on education, religion and charity. In the late 1950s, the Lutheran Church-Missouri Synod began a search for a site to build a college. The Earhart estate was purchased in the early 1960s and construction commenced. Concordia College, Ann Arbor was dedicated in 1963 as a junior college. That year, Concordia was granted the right to award the Associate of Arts degree by the State of Michigan. The expansion of the college to a four-year institution with the right to award the Bachelor of Arts degree was approved by the State in 1976. In 2000, the State approved the graduate program and a Master of Science degree. In July 2001 the institution name was officially changed to Concordia University. The University offers a variety of pre-professional programs, in addition to degree programs. These programs prepare students to enter professional schools or for those who desire a two year course of study.

On July 1, 2013, Concordia University Wisconsin (CUW) and Concordia University Ann Arbor began operating as one entity, although each institution will retain its distinct name and distinct identity. The Higher Learning Commission approved CUW's acquisition of CUAA in a July 9 letter to CUW President Rev. Dr. Patrick T. Ferry. Dr. Ferry now serves as president of both CUW and CUAA.

### CAMPUS ADDRESS

**CONCORDIA UNIVERSITY ANN ARBOR**  
**4090 Geddes Road**  
**Ann Arbor, Michigan 48105**  
**Telephone: 734.995.7300**  
**Fax: 734.995.7448**

## ADMINISTRATIVE OFFICERS

### OFFICES AT CONCORDIA UNIVERSITY WISCONSIN

|                                                                  |                  |
|------------------------------------------------------------------|------------------|
| PRESIDENT.....                                                   | Patrick Ferry    |
| EXECUTIVE VICE PRESIDENT AND CHIEF OPERATING OFFICER.....        | Allen Prochnow   |
| SENIOR VICE PRESIDENT OF ACADEMICS.....                          | William Cario    |
| SENIOR VICE PRESIDENT OF ENROLLMENT SERVICES.....                | Kenneth Gaschk   |
| VICE PRESIDENT OF ADVANCEMENT.....                               | Roy Peterson     |
| VICE PRESIDENT OF FINANCE AND CHIEF FINANCIAL OFFICER.....       | Joan Scholz      |
| VICE PRESIDENT OF INFORMATION TECHNOLOGY.....                    | Thomas Phillip   |
| VICE PRESIDENT OF MARKETING.....                                 | Anita Clark      |
| VICE PRESIDENT OF STUDENT LIFE.....                              | Steven Taylor    |
| VICE PRESIDENT OF STRATEGY, CULTURE, AND EXTERNAL RELATIONS..... | Gretchen Jameson |
| ASSISTANT VICE PRESIDENT OF ACADEMICS.....                       | Bernard Bull     |
| ASSISTANT VICE PRESIDENT OF ACADEMICS.....                       | Leah Dvorak      |
| ASSISTANT VICE PRESIDENT OF ACADEMICS.....                       | Randall Ferguson |
| CHAIR, FACULTY SENATE.....                                       | Brad Condie      |

### OFFICES AT CONCORDIA UNIVERSITY ANN ARBOR

|                                                               |                |
|---------------------------------------------------------------|----------------|
| VICE PRESIDENT-ADMINISTRATION AND CAMPUS CHIEF EXECUTIVE..... | Curtis Gielow  |
| COORDINATOR OF ACADEMIC OPERATIONS.....                       | Kelsi Anderson |
| DIRECTOR OF ENROLLMENT.....                                   | Jonathan Bahr  |
| DIRECTOR OF INFORMATION TECHNOLOGY.....                       | Chris Raasch   |
| ASSISTANT REGISTRAR.....                                      | Kendra Ernst   |
| FINANCIAL AID ASSISTANT.....                                  | Katie Wonderly |

### CAMPUS DEANS

|                                             |                  |
|---------------------------------------------|------------------|
| SCHOOL OF ARTS AND SCIENCES.....            | Robert McCormick |
| HAAB SCHOOL OF BUSINESS ADMINISTRATION..... | Suzanne Siegle   |
| SCHOOL OF EDUCATION.....                    | Harvey Schmidt   |
| SCHOOL OF NURSING.....                      | Cynthia Fenske   |
| STUDENTS.....                               | John Rathje      |

## 2015 - 2016 ACADEMIC CALENDAR

| <b>Fall 2015</b>     |               |                                                                                                  |
|----------------------|---------------|--------------------------------------------------------------------------------------------------|
| August 31            | Mon.          | First Day of Classes – Opening Service                                                           |
| September 7          | Mon.          | Labor Day – No Class                                                                             |
| September 11         | Fri.          | Last Day to Add a Regular Semester Class                                                         |
| October 22-23        | Thurs.-Fri    | Fall Break-No traditional undergrad. classes                                                     |
| November 6           | Fri.          | Last Day to Drop a Regular Semester Class                                                        |
| November 25          | Wed.          | Thanksgiving Vacation begins – no traditional undergraduate classes meet that start after 4:00pm |
| November 26-27       | Thurs.        | Thanksgiving Vacation<br>Academic Office Closed                                                  |
| November 30          | Mon.          | Classes Resume                                                                                   |
| December 14-18       | Mon.-Fri.     | Final Examinations<br>Christmas Recess Begins after Last Exam                                    |
| December 24-25       | Thurs. & Fri. | Christmas Eve & Christmas Day<br>Academic Office Closed                                          |
| December 31          | Thurs.        | New Year’s Eve<br>Academic Office Closed                                                         |
| <b>Winterim 2016</b> |               |                                                                                                  |
| January 1            | Fri.          | New Year’s Day<br>Academic Office Closed                                                         |
| January 4            | Mon.          | Classes Resume – Winterim Begins                                                                 |
| January 22           | Fri.          | Winterim Final Examinations                                                                      |
| <b>Spring 2016</b>   |               |                                                                                                  |
| January 25           | Mon.          | Second Semester Begins                                                                           |
| February 5           | Fri.          | Last Day to Add a Regular Semester Class                                                         |
| March 14-18          | Mon.-Fri.     | Spring Break                                                                                     |
| March 24             | Thurs.        | Easter break begins – no classes meet that start after 4:00pm                                    |
| March 25             | Fri.          | Good Friday<br>Academic Office Closed                                                            |
| March 27             | Sun.          | Easter                                                                                           |
| March 28             | Mon.          | Classes resume at 4:00pm                                                                         |
| April 1              | Fri.          | Last Day to Drop a Regular Semester Class                                                        |
| May 9-13             | Mon.-Fri.     | Final Examinations                                                                               |
| May 15               | Sun.          | Baccalaureate & Commencement                                                                     |
| <b>Summer 2016</b>   |               |                                                                                                  |
| May 16               | Mon.          | Session I Classes Begin                                                                          |
| May 30               | Mon.          | Memorial Day – No Class<br>Academic Office Closed                                                |
| June 3               | Fri.          | Last Day of Session I – 3 week classes                                                           |
| June 6               | Mon.          | Session II Classes Begin                                                                         |
| June 24              | Friday        | Last Day of Session I – 6 week classes<br>Last Day of Session II – 3 week classes                |
| July 15              | Friday        | Last Day of Session II – 6 week classes                                                          |



## CAMPUS CORRESPONDENCE DIRECTORY

|                                               |                                    |
|-----------------------------------------------|------------------------------------|
| Academics. . . . .                            | Coordinator of Academic Operations |
| Admission. . . . .                            | Director of Enrollment             |
| Business Affairs and Payment of Fees. . . . . | Accounts Receivable Clerk          |
| Education Colloquy. . . . .                   | Campus Dean, School of Education   |
| Scholarship and Financial Aid. . . . .        | Financial Aid Assistant            |
| Student Life. . . . .                         | Dean of Students                   |
| Transcripts and Academic Reports. . . . .     | Assistant Registrar                |
| Web page Address: . . . . .                   | www.cuaa.edu                       |

## ADMISSION - TRADITIONAL UNDERGRADUATE

### GENERAL INFORMATION

Admission to Concordia University is based upon a wide range of criteria designed to identify a student body with integrity, high academic standards and serious educational and personal goals. True to the University's commitment to individualized education, each application receives a confidential and in-depth review.

Concordia University admits qualified students of any race, color, or national or ethnic origin to all programs and activities and is nondiscriminatory in the administration of its policies and programs. To be considered for admission to Concordia University a student must be a graduate of a regionally accredited high school or one approved by its state university. Requests for exceptions to this requirement may be submitted by candidates who are otherwise qualified.

### CAMPUS TOUR & VISIT

Prospective students and their families are invited to visit the campus. To find out more information on scheduled visit days or to make an appointment contact:

The Office of Admission at (800) CUA A-EDU *or*

Visit our web site at [www.cuaa.edu](http://www.cuaa.edu) *or*

Send an e-mail (including your full name, address, and telephone number) to [admission@cuaa.edu](mailto:admission@cuaa.edu)

### ADMISSION CRITERIA

Many factors are considered in determining admission. These may include: the difficulty of the student's overall curriculum, performance in the curriculum, rank in class, recommendations, test scores, personal statement and/or interview, work experience and special abilities not reflected in the student's secondary education experience. In addition, recent grade trends and general contributions to the school, community and church may be considered.

The University requires that applicants possess a high school diploma (or GED diploma) and recommends that they have successfully completed a college preparatory curriculum that includes: four credits of English; three credits of mathematics, including two credits of algebra and one of geometry; two credits of social studies; two credits of laboratory sciences; two credits of a foreign language. (If a student has not successfully completed all of these courses, the student's application may be referred to the Admissions Council for further review. This action may result in admission with a credit load restriction.)

All forms should be submitted to the Office of Admission. All students seeking admission to the institution must complete the admission application found on the CUA A website. The online application is free. The admission forms and transcripts reflecting prior credit become property of Concordia University and will not be returned or forwarded.

The application consists of the following documents and information:

1. The completed application form.
2. Official secondary transcript (6 or more semesters) including test records. A FINAL TRANSCRIPT IS TO BE SUBMITTED AFTER GRADUATION.
3. Official transcript from each college attended.
4. Report of ACT scores from either the American College Testing Program or the Scholastic Aptitude Test. Information concerning the ACT program may be obtained by writing American College Testing Program, P.O. Box 168, Iowa City, Iowa 52240, or may be available from the high school guidance department. Information concerning the Scholastic Aptitude Test may be obtained by writing the College Board SAT Program, P.O. Box 025505, Miami, FL 33102, or may be available from the high school guidance counselor.
5. International students must present a minimum TOEFL score of 173 on the computer based test for regular acceptance. Any International Student who cannot present a 173 TOEFL must test through the International Office for placement and may be required to enroll in the ESL program. International students also need to submit two recommendation letters from previous teachers.

## ENTRANCE REQUIREMENTS

Each entering student must submit evidence of adequate preparation for college. A minimum of sixteen (16) units of secondary school work is required of which at least eleven (11) should be in basic liberal arts areas and should be distributed as follows:

**English:** At least three units of English but four are strongly recommended.

**Mathematics:** Two units of college preparatory mathematics, preferable, one each in algebra and geometry.

**Social Studies:** Two units in social studies, preferably one each in world history and American history.

**Natural Science:** Two units of science, preferably, one each in biology, physics or chemistry.

**Liberal Arts Electives:** Two units of the same foreign language or additional units in one or more of the areas above or in fine arts.

**Miscellaneous Electives:** Five units from any area of academic study. The student will find it to his/her advantage if the majority of this work is additional work in the areas listed above. German or Latin is recommended for the pre-seminary student.

Required is a minimum entrance grade point average of 2.5 which is based on at least:

- 3 units of English
- 2 units of Mathematics (Algebra and Geometry)
- 2 units of Science (Biology, Chemistry, Physics)
- 2 units of Social Studies (American History plus one elective)

However, certain programs require a higher grade point average. For international students, the University accepts the ESL Academic Report as satisfaction of English language proficiency.

## FIRST-YEAR STUDENT

Applications for admission are considered on a rolling basis with a completed application and an official high school transcript (sent directly from the institution to Concordia), official certification of high school equivalency, or GED diploma (General Education Development). Students must also submit test scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT). Applying online ([www.cuaa.edu](http://www.cuaa.edu)) is free. A personal statement of 300-500 words or more is optional and may address the student's goals, achievements, strengths, and weaknesses and reasons why a student is considering Concordia University. The minimum requirement for admissions is a 2.5 overall high school GPA and composite score of 18 on the ACT or a combined Critical Reading and Math score of 870 on the SAT.

## **GED DIPLOMA STUDENT**

Persons who have not graduated from high school and desire admission are advised to complete graduation requirements through equivalency examination or other means in the district of their residence. The High School Equivalency Certificate, also known as the General Education Development diploma (GED), will be accepted in lieu of a high school diploma. To be considered for admission, the student must submit an official copy of the GED scores sent directly from the testing center to the Office of Admission at Concordia. Applying online ([www.cuaa.edu](http://www.cuaa.edu)) is free. A personal statement of 300-500 words or more is optional and may address the student's goals, achievements, strengths, and weaknesses, and reasons why a student is considering Concordia University.

## **HOME-SCHOOLED STUDENT**

The Office of Admission requires that home-schooled students submit a transcript of their academic work and/or official documentation from a home-based educational organization. Students must also submit test scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT). Applying online ([www.cuaa.edu](http://www.cuaa.edu)) is free. A personal statement of 300-500 words or more which addresses the student's goals, achievements, strengths, weaknesses, and reasons why the student is considering Concordia University may be requested. A resume or extracurricular activities sheet may also be requested. A personal interview may be requested.

## **TRANSFER POLICY**

Transfer students are advised to submit an online application ([www.cuaa.edu](http://www.cuaa.edu)). Applying online is free. Students should also request that official academic transcripts from each institution attended be sent directly from the previous institution to Concordia University. Transcripts issued to the student are not official and cannot be used to evaluate official transfer of credit.

Transferring students with fewer than 30 transferable credit hours must submit official high school transcripts sent directly from the school to Concordia. Transfer students with fewer than 30 credit hours must also submit test scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT). After admission is determined, the Registrar will evaluate the student's college transcripts. Credit is awarded in general education proficiencies (writing, oral communication, mathematics, and information technology) and general studies program requirements (social science, natural science, religion, humanities, and language).

Elective credits are a third alternative. The minimum requirement for admission is a 2.0 overall transfer GPA.

Normally only credits from a regionally accredited institution will be considered for transfer. Any exceptions will be made on an individual basis. In some cases there are articulated agreements that govern the transfer of credits. Transfer students must take entrance and other examinations in the same way as entering freshmen. Transfer credits are not used in calculating the student's grade point average.

A maximum of 70 semester credits will be accepted in a transfer from a two-year college. A maximum of 90 semester credits will be accepted in transfer from a four-year college/university. Transfer students may be required to submit scores from either the Scholastic Aptitude Test or the American College Test. They may also be required to submit their official high school transcript.

Transfer students applying for transfer credit at Concordia University are subject to the following requirements: They must furnish the Admission Office with an official college transcript from each college attended. They must complete one semester satisfactorily at Concordia University before the award of transfer credit becomes final. Transfer credit may be awarded for each course in which the student received a grade of "C-" or better provided that the course is similar to one being given at Concordia University or is one which could be considered an elective. A student may receive a waiver of a course in which a grade of "D" was received at another college, but credit will not be granted. The Office of the Registrar will issue a statement showing the transfer credit allowed, established on the basis of an individual review of each student's transcripts.

Questions not answered by the above may be addressed to the Registrar.

Graduate and Adult Education undergraduate students are admitted under policies and procedures articulated in their individual catalogs.

## **INTERNATIONAL STUDENT**

International students must be competent in the use of the English language; therefore, college-level reading, speaking, and writing of the English language are necessary. Admission requirements include the following: completed admission application, non-refundable application fee, documentation of satisfactory scores on either TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System), academic record with official evaluation of foreign education credentials, completed Certificate of Financial Responsibility, and documentation of available funds.

## **GUEST STUDENT**

Guest students are qualified high school students, high school graduates, or students enrolled in a degree program at another institution who desire to enroll in courses without being accepted by Concordia's Office of Admission. Registration is completed through the Registrar's Office. Student fulfillment of course prerequisites is required, if the student is taking course(s) for credit. A transcript is required to show evidence of meeting the prerequisite(s).

A high school student may attend Concordia (as a guest) if he/she provides a high school transcript indicating a cumulative grade point average of at least 3.00 and written approval from an advisor/official from his/her high school.

If the guest student is a high school graduate, high school and/or college transcripts are not required. A student who is enrolled in a degree program at another college or university may take any class authorized in writing (by that institution) if space is available. If the student is taking course(s) for credit they must satisfy necessary prerequisite(s). A transcript is required to show evidence of meeting the prerequisite(s).

Guest students are limited to eighteen total credits. Since guest students are not enrolled in a degree program at Concordia University, financial aid is not available.

Individuals not seeking college credit may audit courses if space is available. Audited courses are posted on an official university transcript, but no credit is generated, and the course cannot be used toward degree completion. The required forms are available in the Registrar's Office.

## **DEVELOPMENTAL AND CONDITIONAL ADMISSION**

An applicant whose overall grade average is less than a C or whose grades and test scores indicate areas of academic concern is not eligible for regular admission. However, upon the recommendation of the Director of Enrollment and with the approval of the Admissions Committee, such applicant may be granted Developmental (for the high school graduate) or Conditional (for the college transfer) admission. In either category the individual is considered to be on academic probation. Failure to attain a C average (2.00 G.P.A.) during the development or conditional semester may result in dismissal.

## **SPECIAL ADMISSION**

1. Individuals registering on a full or part-time basis for courses without the intention of receiving a degree are classified as non-degree students. The work can be for audit or for credit but does not automatically apply toward a degree program.
2. A person still attending high school may enroll as a special student in a course for audit or for credit after securing the approval of the high school principal and the University Registrar. Non-degree students who desire to make application for acceptance into a degree program must follow the regular application procedures for degree students. At the time of such application, credits earned as a non-degree student will be reviewed and the student apprised of how the credits can be used in meeting degree requirements.

## ADVANCED PLACEMENT

College credit may be granted for Advanced Placement courses taken in high school. Students who achieve a selection score of three or higher on the Advanced Placement Exam may be granted credit in comparable courses applicable to their college program. An official score report, sent directly from the testing company to Concordia, is required. On this basis, students may be exempt from a course otherwise required and may be admitted to the next course offered in that field. High school counselors may be contacted for more information about enrolling in Advanced Placement courses.

The Registrar maintains a list of the specific Advanced Placement Exams that are acceptable from these testing programs. The list includes test names, passing scores, the number of credits awarded if the test is passed, and equivalent Concordia courses if such exist. Partial credit for scores below the designated passing score will not be granted. Please contact the Registrar's Office or [www.cuaa.edu](http://www.cuaa.edu) for further information.

## STANDARDIZED TESTS

Credits may also be earned through the following standardized testing programs:

College Level Examination Program (CLEP)  
 Defense Activity for Non-Traditional Education Support (DANTES)

An official score report, sent directly from the testing company to Concordia, is required. The Registrar maintains a list of the specific tests that are acceptable from these testing programs. For CLEP, the list includes test names, passing scores, the number of credits awarded if the test is passed, and equivalent Concordia courses if such exist.

Partial credit for scores below the designated passing score will not be granted. Please contact the Registrar's Office for further information.

## CLEP EXAM OPTIONS

The Registrar's Office should be contacted to ensure that an applicant is eligible to take a specific exam. The following information applies only to students who are seeking academic credit from Concordia – Ann Arbor (CUAA). Please note that the following information is subject to change without notice.

According to faculty policy, the passing scores are usually those recommended by the American Council on Education. However, there are exceptions specified in the policy. Credit will not be awarded for exams taken in content where credit has already been earned. Credit will not be awarded for exams taken in the same content area at a lower level than previously earned credits. The applicant, in consultation with the Registrar's Office, is responsible for determining whether the credits earned through CLEP exams will be acceptable for meeting specific degree requirements. No partial credit is awarded.

## INTERNATIONAL BACCALAUREATE (IB) CREDIT

A student seeking International Baccalaureate (IB) credit should have an official IB transcript sent directly to Concordia's Office of Admissions. Concordia University awards credit for IB Higher Level examinations passed with scores of 5 or above. For each accepted course, 3 or 4 semester hours of credit will be awarded. The total number of IB credits accepted by individual courses and the International Baccalaureate Diploma may not exceed a total of 16 semester hours of credit. Credit is not awarded for Standard Level examinations.

## EARLY COLLEGE CREDIT PROGRAM

In partnership with Concordia University Wisconsin, our dual credit courses allow high school students to earn college credit, along with high school credit, while continuing their other courses and activities. Earning college credit while in high school can accelerate a student's degree completion and help students adapt early to the rigor of College level study. For additional information, please contact [erica.whitesell@cuaa.edu](mailto:erica.whitesell@cuaa.edu) or visit our website at [www.cuaa.edu/highschool](http://www.cuaa.edu/highschool).

## TUITION & FEES

As a private, not-for-profit educational institution sponsored by the Lutheran Church-Missouri Synod, Concordia University strives to provide the highest quality educational experience for its students at the lowest cost possible to insure the delivery of excellent educational services. The University provides and coordinates financial assistance to help students defray the costs of their educational endeavors. For more information on financial aid, see that portion of this catalog.

Tuition is the amount charged for a given class or set of classes, whether at a flat rate or per credit-hour cost. Fees may be one-time or recurring and are charged to a student account. Examples of these additional fees include, but are not limited to, fieldtrips, science, technology, and music labs. The Business Office may publish supplemental information detailing specific charges for tuition, fees, and other special fees or finance charges of the University. Fees and costs are subject to change without notice.

### DEPOSITS

The tuition deposit of \$125 for a student in the traditional program is due once the student has been admitted and has decided to attend Concordia University. Additionally, all students wishing to live on-campus must make a \$300 security deposit for room and board. These deposits are non-refundable unless the offer of admission is withdrawn by the University. The tuition deposit is applied to the student's first semester balance.

### REGULAR FEES

Please contact the Admission or Business office for current tuition and room and board charges.

### ROOM & BOARD

The amounts paid for room and board provide a shared room and a meal plan. Single occupancy rooms may be available at an additional cost. All students living in campus housing must participate in the food service program of the University. Meal service is not available during the Fall Break, Thanksgiving Break, Christmas Break, Spring Break, Easter Break, and other campus recesses. Students living off campus may purchase individual meals or a commuter meal plan through the food service program or by informing the Director of Student Services.

### PERSONAL EXPENSES

In calculating costs for the year, the student should include personal items such as laundry and dry-cleaning, clothing, books, school supplies, membership dues in organizations, contributions to church and charity, recreation, travel, special health needs and a small reserve for miscellaneous items. For cost of attendance purposes (in addition to tuition, fees, room and board) Concordia University assumes \$1,000 for books, \$1,000 for travel, and \$1,175 for miscellaneous personal expenses for the year.

### SPECIAL FEES

#### **Graduation Fee**

A fee is assessed to senior status students to cover graduation expenses, based on the current fee schedule.

#### **Student Government Program Fee**

This fee is allocated upon the recommendation of the Student Government Association. The fee is administered by the Board for the support of student organizations, activities, and endeavors. Individuals, groups, and organizations may petition the Student Government Association for funding.

#### **Student Teaching and Course Fees**

An additional course fee is charged for Student Teaching. The fee is assessed at the current fee schedule amount. Any other course that carries a special fee will be listed in the course description.

#### **Overload Fee**

A student will be assessed the per credit overload fee for the amount of credits that exceed 18 in a semester.

**Applied Music Fee**

An additional per credit fee is assessed for certain applied music courses as found listed in the catalog descriptions. The fee is assessed at the current fee schedule amount.

**Transcript Fee**

A \$7.00 fee is charged for each official transcript provided. Copies of unofficial transcripts are available at no cost to the student. To request an official or unofficial transcript, students should complete and submit the Transcript Request Form. This form is located in the Academics -> Registrar section of the CUAA website ([www.cuaa.edu](http://www.cuaa.edu)).

**Independent Study Fees**

A fee will be assessed for independent study proposals to cover special instructional costs. A full-time student will be assessed \$130 per credit during the fall or spring semesters for independent study credits up to an 18 credit load. All fall or spring independent study credits which result in more than 18 credits in a semester are charged the current per credit fee. The student's account balance must be at zero to sign up for an independent study class.

**Practicum/Internship Fee**

In the fall and spring semester, practicum/internships will be assessed \$65/credits if the semester credits are over 18. If the semester credits are fewer than 18, there is no additional fee. A \$65 per credit fee will be assessed for summer practicum/internships.

**HHP Class, Laboratory and Activity Fees**

Additional charge for Labs & specialized activities may be applied where appropriate. These fees range from \$25.00- \$75.00.

**WINTERIM TUITION**

Full-time students attending both the fall and spring semesters are entitled to the Winterim offering at the current Winterim fee schedule per credit rate for up to 4 credit hours. If students desire to inquire about financial aid options for Winterim they should contact the Financial Aid Office. Students who are not enrolled and are attending Winterim classes are not permitted to use housing facilities during this time. Room and board fees will be pro-rated for students desiring housing, but who do not live in the dormitory both semesters.

**PAYMENT OF TUITION & FEES**

The full payment of tuition and fees is required before the start of a given semester for undergraduate students, and at the start of a given session for graduate, and adult students. Payments are made to the Business Office located in the Student Services Building. Prior to each semester, the Business Office at Concordia University will provide a statement of the student's account including tuition and fees. If the student is receiving financial aid, and the Financial Aid Office has received all required documents to process aid, the "anticipated aid" will be subtracted from the "payment due" on the account statement to arrive at the revised balance due. This revised balance is due before the start of the semester or the start of the session depending program level. Students risk being dropped from classes if payment is not made or a payment contract arranged with the Business Office by the first day of class.

**METHODS OF PAYMENTS**

1. The University requires full payment of each semester's charges by August 15 or January 15 before the semester's classes begin.
2. Notification from the Financial Aid Office of grants, scholarships, or a Guaranteed Student loan will be accepted in lieu of payment by cash. Only one-half of such aid will be credited to the student's account for each semester.
3. Failing to observe this schedule or to make other satisfactory arrangements with the Business Office, the student will forfeit the right to begin or continue work at Concordia.
4. If students must rely on others for financial resources, they are held responsible for seeing to it that financial sponsors observe the payment schedule.
5. All fee payments should be addressed to Concordia University Wisconsin, 12800 N. Lake Shore Drive, Mequon, Wisconsin 53097. ATTN: Accounts Receivable. Please include the student ID # on payments.

### **JOYFUL RESPONSE PAYMENT PLAN**

This per semester payment plan allows a student or parent to pay University fees in convenient monthly payments each semester (maximum of 4 payments per semester). There is no cost for the plan. Forms and details can be found on Concordia's website, by searching 'Joyful Response.'

### **OUTSTANDING BALANCES AND COLLECTIONS**

If a student obligation remains unsatisfied, the University may assign the outstanding balance to an outside collection company.

### **REFUNDS**

Students who withdraw from the University will receive a pro-rated refund of educational fees and board fees, according to the following schedule (a week is considered Monday to Sunday):

|                                        |            |
|----------------------------------------|------------|
| During first week of classes. . . . .  | 80 percent |
| During second week of classes. . . . . | 75 percent |
| During third week of classes. . . . .  | 60 percent |
| During fourth week of classes. . . . . | 40 percent |
| During fifth week of classes. . . . .  | 20 percent |
| After fifth week. . . . .              | none       |

Students who are charged for Summer and Winterim class but then withdraw will receive refunds on a pro-rated basis as follows:

|                                     |            |
|-------------------------------------|------------|
| During first day of class. . . . .  | 80 percent |
| During second day of class. . . . . | 75 percent |
| During third day of class. . . . .  | 60 percent |
| During fourth day of class. . . . . | 40 percent |
| During fifth day of class. . . . .  | 20 percent |
| After fifth day of class. . . . .   | none       |

### **ROOM**

Students who choose to live on campus will be required to sign a housing agreement effective for both the Fall and Spring semesters and have a room deposit on file. The deposit will be forfeited, in addition to any damages assessed and/or any outstanding balance owed to the University, if the student cancels prior to the midpoint of Spring semester. Students who withdraw from a room prior to or after the start of a semester will not receive any refund of the room fee.

### **BOARD**

Students who choose to live on-campus will be required to select a per semester meal plan. Students who withdraw from their room after the start of a semester will be able to receive a pro-rated refund of meal plan fees according to the following schedule (a week is considered Monday to Sunday)

|                                             |            |
|---------------------------------------------|------------|
| During the first week of classes. . . . .   | 90 percent |
| During the second week of classes. . . . .  | 80 percent |
| During the third week of classes. . . . .   | 70 percent |
| During the fourth week of classes. . . . .  | 60 percent |
| During the fifth week of classes. . . . .   | 50 percent |
| During the sixth week of classes. . . . .   | 40 percent |
| During the seventh week of classes. . . . . | 30 percent |
| During the eighth week of classes. . . . .  | 20 percent |
| During the ninth week of classes. . . . .   | 10 percent |
| During the tenth week of classes. . . . .   | 0 percent  |



## FINANCIAL AID INFORMATION

Concordia University seeks to make our high-quality Christian Liberal Arts education affordable for all who have the capacity and the desire to attain it. Financial assistance is available as need-based aid and also as merit-based aid. Additionally, there are scholarships available for students who meet specific program-based criteria. All of these awards are contingent on successful academic progress towards a degree.

For optimal results in obtaining financial assistance, students are encouraged to pay close attention to deadlines and instructions for each type of aid. A student who wishes to be considered for need-based financial aid assistance is required to submit the FAFSA (Free Application for Federal Student Aid). This application is available at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). The application for upcoming school year is available January 1 of each calendar year. Early completion of this application will result in priority service.

The amount of need-based financial aid awarded is based on the data collected from the FAFSA. “Need” is equivalent to the Cost of Attendance (COA) minus the Expected Family Contribution (EFC). As a general rule, the primary financial responsibility lies with the student and his or her parents. Concordia University awards and administers a mixture of gift aid and self-help aid to help families cover this need.

### HOW TO APPLY FOR AID

| TO DO                                                                                                                                                                                                                     | WHO SHOULD DO IT                                                                   | WHEN TO DO IT                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Fill out the FAFSA for the upcoming award year at <a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a> . Eligible males of at least 18 years of age must be registered with selective service to receive Federal funds. | All Students who wish to be considered for Federal and State student aid programs. | Available January 1- Priority deadline is March 1 <sup>st</sup> . |
| Pay attention to messages about scholarships and grants that require applications and have hard deadlines.                                                                                                                | All Students                                                                       | Year round                                                        |
| Review award letters.                                                                                                                                                                                                     | All Students                                                                       | Upon receipt                                                      |
| Return any missing documents required to complete the packaging process.                                                                                                                                                  | All Students                                                                       | As requested, normally within 30 days of the request.             |
| Accept your award letter on the Portal                                                                                                                                                                                    | All Students                                                                       | As soon as possible.                                              |
| Complete Entrance Counseling & Master Promissory Note at <a href="http://www.studentloans.gov">www.studentloans.gov</a>                                                                                                   | First-time borrowers for the Direct Lending programs or students new to CUA        | Upon receipt of request                                           |

| <b>TO DO</b>                                                                                                              | <b>WHO SHOULD DO IT</b>                     | <b>WHEN TO DO IT</b> |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------|
| Initiate Alternative Loans with student-selected lenders. Details vary. Check with Financial Aid Office for information.  | Students who wish to use Alternative Loans. | As needed            |
| Maintain ongoing communication regarding changes and updates to financial circumstances, academic progress, and awarding. | All Student and Financial Aid Officers.     | Year round           |
| Review your CUAA email weekly for messages                                                                                | All students                                | Year round           |

## **TYPES OF AID**

Concordia University strives to offer sufficient financial aid resources to assist students in reaching their educational goals. The sources available are as follows:

### **GIFT AID**

#### **Scholarships**

Some of the scholarship funding the University administers is assigned to students of outstanding academic achievement, as well as those displaying special fine arts or athletic abilities. Others are awarded according to program-based criteria. Students must be enrolled full-time to receive Concordia scholarships.

Additionally, all students are encouraged to apply for outside scholarships. These may come from local communities and congregations, as well as other organizations. Many such scholarships are listed on the internet at [www.fastweb.com](http://www.fastweb.com). Concordia's website also provides a listing of outside scholarships.

#### **Grants**

Need-based Federal grants available to eligible students include the Pell Grant and the Supplemental Education Opportunity Grant (SEOG). Eligibility is based on results of the FAFSA review process.

Need-based Michigan state grants available to eligible students include the Michigan Competitive Scholarship Program and the Michigan Tuition Grant Program. Information about these funds is available at <http://www.michigan.gov/mistudentaid>. Eligibility is based on results of the FAFSA review process.

### **SELF-HELP AID**

#### **Loans**

Student Loans have become an integral part in financing a student's collegiate experience. Students will be responsible for repaying their loans (including any interest that accrues) and therefore should borrow wisely. Concordia University participates in the Federal Direct Lending Program which offers three types of loans. For more detailed information about these loans, go to [www.studentloans.gov](http://www.studentloans.gov).

- The Direct Subsidized Loans are need-based, interest free, and payment free while the student remains in school at least half time.
- The Direct Unsubsidized Loans can be used to replace family contribution but interest begins accruing immediately. The interest can either be paid while the student is in college, or capitalized. The Federal Direct PLUS loan enables PARENTS of dependent students to borrow funds to help pay for their child's

college education. The Plus Loan may be used as a supplement to a student's Direct Loan and should be applied for every year, as necessary. The Plus Loan is a credit-based loan which may be denied based upon an adverse credit history. If the Plus loan application is denied, the student becomes eligible to borrow additional unsubsidized loan funding (\$4000 for Freshman & Sophomores, \$5000 for Juniors & Seniors). The maximum PLUS loan eligibility per academic year is calculated by: Students total cost of attendance - Financial Aid = Maximum Plus Loan eligibility. Parents can apply for a Plus Loan online at [www.studentloans.gov](http://www.studentloans.gov). When applying for the PLUS loan online, please make sure to use *Wisconsin* as your state and pick Concordia University.

Additionally, Alternative Loans are available from private lenders. These loans are designed specifically for students but details and conditions vary from lender to lender.

### **Student Employment**

Students who find it necessary to work to help pay for their expenses have opportunities to do so, both on the Concordia campus and in Ann Arbor places of business. To avoid an adverse effect on grades, it is suggested a student not exceed 15 hours of work per week.

Concordia participates in the Federal Work Study Program. A job fair is held at the beginning of each term to give students the opportunity to apply for Work Study jobs on campus.

### **Veterans Educational Assistance**

Concordia University in Ann Arbor is approved as an educational institution at which students may receive Veteran's benefits. Prospective students who have been in the Armed Forces should check with their local V.A. office for more complete details. They must file for benefits in Ann Arbor if they have made no prior claims. If a claim file has already been established, they should file with that particular V.A. office.

Concordia is also able to work with interested Veteran students if they wish to utilize federal or state Tuition Assistance, based on their specific branch of the military. Please contact CUAA's Certifying Official at least 30 days prior to the beginning of the semester if you wish to use TA, to allow for any set-up and processing time.

## **RENEWAL OF FINANCIAL AID**

Concordia makes every effort to continue assistance to a student through his/her years of college. Renewal is based upon the following guidelines:

1. Receipt of the Free Application for Federal Student Aid (FAFSA). Students are encouraged to file the FAFSA between January 1<sup>st</sup> and March 1<sup>st</sup> in order to assure maximum financial aid.
2. If a student/parent chooses not to file a FAFSA, a Non-Need Application must be submitted.
3. Any award, or portion thereof, may be either declined by a student or revoked by Concordia if such assistance is not to the advantage of the student or the University.
4. As available funds must be divided among all deserving students; grant, scholarships, or employment may not always be renewed in their original amounts.
5. Some grants/scholarships may be adjusted based on the student living on/off campus.
6. Students must be making satisfactory academic progress as defined below and maintain at least a 2.00 or a 2.50 grade point average depending on the scholarship/grant.

## **FINANCIAL AID GOOD STANDING & SATISFACTORY PROGRESS POLICY**

Concordia University Ann Arbor is required to establish and consistently apply standards of good standing and satisfactory progress to all students who receive funds from Title IV programs of federal financial assistance. These standards are applied to all students, in all levels, and in all programs, even to students in periods they are not receiving federal aid. This federal requirement is meant to ensure that only those students who make good progress toward their degree or certificate objective continue to receive financial assistance.

The following policies of good standing and satisfactory progress have an appeal procedure for use by anyone whose financial aid eligibility is terminated as a result of the Financial Aid Good Standing or Satisfactory Progress Policy. Those students affected will receive written notice of the appeal procedure which is detailed in Section E. Both standards of Good Standing and Satisfactory Academic Progress must be met in order for a student to continue receiving financial aid. No part of this policy has an effect on any student's academic record either at this University or any other. Listed below is the financial aid Satisfactory Academic Progress policy, the academic Good Standing policy is located in the Academic Catalog.

- A. **Good Standing:** A student enrolled in Concordia University Ann Arbor is considered in good standing if allowed to continue in that degree or certificate program at Concordia University Wisconsin. Detailed information pertaining to the minimum academic requirements of the University can be obtained by referring to the appropriate section of the University's catalog; this includes both GPA expectations and the maximum length of time to complete a degree for graduate programs. Students who are not in Good Standing with the University academic probationary policies are not eligible to attend Concordia or obtain financial aid.
- B. **Satisfactory Academic Progress:** Satisfactory academic progress is defined as successfully completing cumulative course requirements for a minimum of 67% of the cumulative number credits attempted (this includes transfer credits that are being used towards a student's program), thereby making it possible for a student to make good progress toward a degree or certificate objective. "Successfully completing course requirements" is interpreted to mean that a grade of at least D- or P is received by a student. Incompletes, withdrawals/no credits, and audits, are considered unsatisfactory. Students repeating a course will be evaluated on the basis of whether or not the class taken in the given term is passed. However, incompletes, which are later changed into a grade of at least D- or P are satisfactory for Financial Aid Satisfactory Academic Progress policy purposes (please note that D- is only "satisfactory" by financial aid standards not by University academic standards). It is the student's responsibility to notify the Financial Aid Office of such changes to previously incomplete grades. Progress is also calculated on the basis of, the student having a cumulative GPA of 2.0 or better, this qualitative standard is reviewed again every term. Students repeating a course will have the lower grade omitted for cumulative calculations. Students in graduate programs are required to have a cumulative GPA of 3.0.
- C. **Normal Completion Time:** As a full time student, your eligibility for financial aid continues for a number of years equal to 150% of the normal completion time for the degree or certificate you are seeking to earn. This is tracked on the basis of the number of credits attempted. Transfer credits that are accepted, and used towards a degree, are included in the 150% criteria. The normal completion time for particular degrees or certificates are as follows (this is calculated in years, based on a student attending full time each term):

**Bachelor's Degree:**

Education, 5 years  
All other programs, 4 years

**Master's Degree: 3 years**

- D. **Financial Aid Eligibility Warning Statuses:** When a student does not successfully complete a minimum of 67% of cumulative credits earned versus attempted or does not have a CGPA of 2.0, financial aid eligibility status of "WARNING" is imposed. Aid automatically continues through one semester of financial aid eligibility status of "WARNING." If a student does not make satisfactory progress during the semester of financial aid eligibility status of "WARNING," or the student has reached the 150% of normal completion time, the student's eligibility for financial aid in later semesters is terminated. Eligibility can be regained by raising the completion rate of credits attempted to 67% and GPA to above 2.0, unless terminated for exceeding the 150% of normal completion time. The appeal procedure detailed in Section E exists for those students whose aid eligibility is terminated. Students in graduate programs are required to have a cumulative GPA of 3.0.
- E. **Appeal Procedure:** Upon receiving a completed Satisfactory Academic Progress appeal form from a student whose financial aid eligibility has been terminated according to the provisions of section D, the Director of Financial Aid may reinstate the student's eligibility. The appeal form will be sent to the students

who were terminated, by official University delivery, and must be completed by the student and by the student's academic advisor. Students can only appeal this status under one of the following extraordinary circumstances; illness, injury, death of family member or close friend, short term hardship, change of academic major (for completion time extension), or other significant extraordinary circumstance. The appeal must also include evidence that the academic advisor believes that the student can be successful, as well as including a plan from the student detailing what the extraordinary circumstance(s) were/are and their plan to be successful in future terms. Completed appeal forms must be returned to the Financial Aid Office, and will be reviewed by the Director of Financial Aid, or their designee. The outcome of student's appeals will be sent via official University delivery. Students reinstated will be placed on Satisfactory Academic Progress "Probation," and if they do not meet the standards in the next term will be terminated again. In circumstances where a student has appealed and is unable to meet both the 67% completion rate and the 2.0 GPA requirements for SAP the outcome of the appeal may include an academic plan. This plan which will be created from the SAP appeal process will outline specific criteria that a student must meet during the semesters that this plan covers. Students who do not meet these criteria will be SAP terminated. Students in graduate programs are required to have a cumulative GPA of 3.0.

- F. **Tracking Systems:** Those students placed on eligibility warning status or whose eligibility for aid has been terminated will have their progress tracked in the next semester. Once satisfactory progress is resumed, full eligibility for aid consideration will be reinstated and the student's name removed from the tracking system.

## STUDENT SERVICES

### STUDENT LIFE

Student life at Concordia is full of opportunities for the students to find and express themselves in their own way. Indeed, the whole educational venture is directed toward and dependent upon the individual student. What happens in the classroom, in the residence halls, and in the community is what a Concordia education is all about. This may be accomplished in many ways. Students may elect to be a part of student leadership structure and serve on one of the student activity committees. They may decide to develop skills in the performing and creative arts and take part in some of the many dramatic, musical, artistic, and literary pursuits available on campus. They may want to participate in intercollegiate or intramural athletics, religious or service activities, and social programs. The co-curricular program at Concordia is designed to help explore many avenues.

### LIBRARY

Zimmerman Library offers academic resources to support the academic work of students and faculty. Integral to locating and accessing these resources are the library's web pages. The web page allows access to the online catalog and numerous journal database subscriptions may be searched to retrieve needed resources. The library also offers interlibrary loan service to obtain books and articles not available at our library. Computer workstations, wireless access, laminating machines, and copy machines are available for student use in the building.

### BOOKSTORE

Concordia University has an online bookstore accessible at:

<http://www.bkstr.com/webapp/wcs/stores/servlet/StoreCatalogDisplay?storeId=202905>

Spiritwear can be purchased in THE EGG on campus. THE EGG is located next to the Nest, behind the dining hall.

### COMPUTING FACILITIES

Concordia University has one student computer laboratory available for general usage located in the library and in use during library hours. Computer lab and e-mail access is free to all CUAA students and students agree to abide by the university's ethical use guidelines established for computer users. All of our computers are connected to the internet. Concordia's labs provide a variety of popular software application packages. Students are allotted \$40 per semester in printing fees; printing charges greater than \$40 will be charged to the student's billing account.

### MAIL SERVICES

Individual mailboxes, located on the main level of the student union, are provided for all resident students at no charge. The student resident's mailing address (different than the "administration" address) is:

(Student's name)

MB # \_\_\_\_\_  
4090 Geddes Road Ann Arbor, MI 48105

## THE ACADEMIC RESOURCE CENTER (ARC)

The Academic Resource Center (ARC) supports Concordia students in the following areas:

**Tutoring:** Individual and/or group tutoring is available for all areas of study. Peer tutors assist students in mastering content and developing the study strategies needed to become successful learners. Online tutoring will also be available to students creating a virtual whiteboard that allows tutors and student to work on problems in a real time environment.

**Writing:** Writing consultants assist students with all aspects of the writing process, including generating ideas, researching, organizing, editing, and revising. Writing consultants focus on helping students to grow as writers.

**Academic Success Skills:** The ARC provides assistance to students desiring to develop study skills, such as time management, reading strategies, text books annotating, note taking, and test taking.

**Disability Support Services (DSS)** – DSS coordinates accommodations for students with disabilities in accordance with the university's compliance responsibilities under the law. Accommodation determinations for all students with documented disabilities will be made on a case-by-case basis.

ARC services are provided at no cost to Concordia students.

Students seeking academic assistance should stop by the ARC, located in the library or call 734-995-7470 for an appointment with a writing consultant or 734-995-7582 to schedule tutoring.

## THE CENTER FOR COUNSELING AND WELLNESS

The Center for Counseling and Wellness embodies, encourages and educates students towards physical, mental, and spiritual health. College is a time of significant transition. Not all student come to college fully prepared to manage the complexities of navigating an entirely new way of being along with balancing more freedom and responsibility than ever before.

The Center for Counseling and Wellness provides educational and outreach programming for students, faculty and staff. Programming and education are directed towards things like academic and other behavioral underperformance, stress management, overwhelm and burnout, relationship conflicts and general principles of wellness.

We also provide excellent individual and group counseling services to our students. Both individual and group counseling sessions are free and confidential. Some of the reasons individuals seek counseling services are:

- Anxiety, insomnia, depression, lack of motivation, procrastination
- Underperformance: academic, athletic, musical, work, or other scholarship based activities
- Stress, overwhelm and burnout
- Relationship conflict and/or drama
- Drug or alcohol use and/or abuse
- Eating or body image issues
- Grief, family problems, history of trauma, abuse or bullying
- Feelings of hopelessness and/or worthlessness
- Suicidal thoughts or intentions

## CAREER SERVICES

“Who am I?” and “What should I do with my life?” are two of the big questions students confront during their college years. The Center for Career and Life Calling (CCLC) helps students address these questions in pragmatic ways. The CCLC is located in the Student Services building, room 136, and can be reached by phone at 734-995-7370 or 734-995-7368, or by email at [careerservices@cuaa.edu](mailto:careerservices@cuaa.edu).

Students experience career development activities throughout their time at Concordia, beginning their first semester in LA103, College, Career, & Calling. All freshmen complete professional career inventories to identify their interests, personality type, skills, values and other aspects of their God-given design; develop a Life Calling Map™ that organizes information about their design into a usable format; learn how to explore and reality test career options; and create a resume, cover letter and LinkedIn profile to help them obtain internships. In subsequent years, students participate in career development activities through workshops, in-class presentations and personal career counseling from National Certified Career Counselors. These activities help students make good choices about their major and career path, as well as find internships to reality test career fields and gain valuable work experience. Seniors preparing for the college-to-career transition learn how to find both advertised and unadvertised jobs as well as how to market themselves well to prospective employers.

## MEDICAL ASSISTANCE

The Student Services Office and Resident Hall Staff support and encourage good health among members of the student body. In order for students to engage optimally in their educational experience it is important that they maintain good health. Before arriving on campus take steps to ensure that the student’s health care needs are coordinated. Students who take regular medication are encouraged to plan ahead how they are going to manage refills of those medications. The Center for Counseling and Wellness will assist students in managing their health care needs at student’s requests.

Concordia University Ann Arbor does not have a physical health center on campus. However, we are conveniently located near a number of reputable medical offices, many of which are located within a few minutes from campus. The emergency rooms of both St. Joseph Mercy the University of Michigan are less than a mile and a half away, and IHA Urgent Care is also easily accessible to students. Students needing transportation to and from a medical facility under non-emergency conditions are encouraged to contact Campus Safety who will arrange for a free taxi cab ride to and from the medical facility. Students experiencing a medical emergency are encouraged to contact 911 or Campus Safety. Campus Safety officers are on campus and available 24/7.

Though the University will provide transportation to medical nearby medical facilities, students are responsible for payment of services to those facilities. Students are encouraged to have health insurance. However, because not all individuals have health insurance, Concordia University Ann Arbor is able to provide information for a local medical and dental clinic which provides care for uninsured individuals at no or low cost.

All students who participate in athletics are required to provide proof of medical insurance prior to the first official practice.

## STUDENT ID CARDS

All new students receive a picture identification card through the Student Life office in the Student Service Center. Students are expected to use the same ID card for the duration of their time at the university. Cards will be reissued at a cost of \$25 per card. Broken ID cards will be replaced at no charge. The student ID card allows students to access services in the cafeteria, library and gain entrance to their on-campus residence hall.

## PERFORMING ARTS & ATHLETICS

### THEATRE

Concordia University’s theatre program offers productions each semester in the fully equipped Kreft Center Black Box Theatre. Auditions are open to any student in good academic standing. Leadership opportunities exist for students

in management, design, and scene shop work. Class and independent study offerings include production, acting, voice and diction and theatre survey courses. Work-study positions are available in technical production and management. The annual Boar's Head Festival is a Christmas tradition that provides opportunities for students in acting, management and technical production.

## **MUSIC**

Concordia Choir, Concordia Women's Chorale, ArborSong, Concordia Wind Ensemble, Brass Ensemble, Percussion Ensemble, String Ensemble, Chamber Music, and Jazz Ensemble are open to students and may be taken for credit or audit. A pep band and drumline is also available during football and basketball seasons. Opportunities also exist to provide music for chapel services including singing, playing wind and string instruments, organ, piano, and participating in a praise band.

## **INTRAMURAL SPORTS**

A wide range of activities are offered in an intramural program for both men and women. The emphasis is on participation and enjoyment for all students, regardless of ability level. These activities are individual or team based, (by residence hall or "choose-your-own" team). Activities include sports and games such as: dodgeball, flag football, basketball, ultimate Frisbee, and volleyball. Members of intercollegiate athletic teams are not eligible to participate on intramural teams in the sport in which they participate as an intercollegiate athlete.

## **THE KREFT ARTS PROGRAM: CONCERTS, SPEAKERS, EXHIBITS**

A calendar of special events is scheduled annually through the Kreft Arts Program and the Student Services Office. Events include art exhibitions, touring performance groups, recitals and guest lectures. Concordia hosts visiting artists annually and brings to campus nationally and internationally prominent artists, musicians, and writers, who perform, conduct workshops, and interact with students in classes.

## **ATHLETICS**

The intercollegiate athletic program at Concordia includes baseball, basketball, bowling, cheer, cross country, dance, dance and cheer, football, golf, soccer, softball, tennis, track and volleyball. All sports are governed by the National Association for Intercollegiate Athletics (NAIA).

## **STUDENT LIFE AND STUDENT LEADERSHIP**

Concordia offers activities for students to broaden their social and cultural experience on campus. These activities serve to develop leadership in addition to enhancing student life. Opportunities include: student organizations, weekday and weekend activities, educational programming exploring topics such as diversity and relationships, and community service. Leadership opportunities include: Campus Ministry Coordinator (CMC), Resident Assistant, Senator, Transition Leader, and many more.

## **STUDENT SENATE & STUDENT ASSOCIATION**

All enrolled students are members of the Student Association. Members of the Student Association elect representatives to the Student Senate and the Senate Executive Board. Student Senate gives a voice to students on campus and off campus to ensure that students get the most out of their time as a Cardinal. There are several councils and committees of the Student Senate which provide leadership in: student life, articulation and protection of students' rights and responsibilities, quality of life in residential community, and spiritual development in one's faith walk. The Student Senate is advised by a faculty member at CUAA.

## **STUDENT ACTIVITIES COMMITTEE**

The Student Activities Committee (SAC) schedules various activities and events throughout the school year including games, movie nights, dances and formals. SAC coordinates and works with the Student Activities and Retention Coordinator. Some of these functions are scheduled at off campus locations. These events are not open to the public. Students looking to bring an off campus guest should communicate with the Student Activities and Retention



Coordinator.

## **STUDENT ORGANIZATIONS**

CUAA has several registered student organizations available to students. Students are able to join Academic, Professional, Social, and Spiritual groups on campus. Current groups include:

- Black Student Union
- Child Life Student Association
- Concordia Circle K
- Criminal Justice Alliance
- Early Childhood Education Society
- Game Club
- HAAB School of Business Club
- Life Team
- Longboarding Club
- Pre-Healthcare Professionals Club
- Pre-Seminary Student Association of Ann Arbor
- Table Tennis Club
- Wrestling Club

\*If students are not interested in current group offerings, they are invited to start a new group. To learn more about this process, contact the Treasurer of Student Senate to begin the application process.

## **THE CARDINAL'S NEST**

Located in the Student Union building, the Cardinal's Nest provides an area for students to relax, purchase food or snacks, study, and watch television. Meal cards, as well as cash, can be used to purchase food. Hours of operation for the Cardinal's Nest are posted at the beginning of each semester.

## **THE EGG**

THE EGG is Concordia University's spirit wear store. THE EGG provides more than just clothing! THE EGG is nestled in a corner of The Nest (get it?! Nest-Egg!) Open on week days THE EGG exists to serve the students and faculty of Concordia University. Do you have a sweet tooth? We have candy and gum for you. Do you have a headache? We have relief for you! Did you run out of paper, pens, highlighters, etc.? We can rescue you! Of course THE EGG has fun, fashionable, and affordable spirit wear and gear to support all of Concordia's Cardinal Crazies. Stop by THE EGG...look for black, white, and red all over.

## **STUDENT GOVERNMENT & STUDENT ASSOCIATION**

All enrolled students are members of the Student Association. Members of the Student Association elect representatives to the Student Senate and the Senate Executive Board.

The most important function that the Student Senate and Senate Executive Board serves is to give students a voice on campus. These groups work closely with the university administration to make sure that the needs and viewpoints of all students are being considered and met. The Student Senate coordinates and works through the Student Life office and is advised by a member of the CUAA faculty.

## **RESIDENTIAL LIVING**

The Office of Residential Life exists to contribute to the development of each student to his/her full potential by creating a safe and supportive residential environment. This is accomplished through comprehensive programs for students living in university residence halls. Residence staff members help students adjust to the demands of academic life, offer support and guidance, and promote the development of the whole person within the residential community.

through education, programming and activities.

Residential Life employs upper class undergraduates as resident assistants. The residential staff is supervised by an on-campus, professional staff consisting of the Director of Campus Life and a Resident Director in conjunction with the Student Life office. The residential staff is available to provide safety, advice, counseling and referrals for residents. Concordia's on-call system provides for 24 hours 7 days a week safety management in partnership with the office of Campus Safety.

### **LEADERSHIP TEAM**

There are three residents in each residence hall who help provide support and guidance to the hall residents through the course of a year. The Resident Assistant (RA) is primarily responsible for creating community in this environment. He/she is responsible for programming within the hall, upholding community standards, referring students to other resources, and leading relationally. The Campus Ministry Coordinator (CMC) is responsible for guiding the spiritual life in the residence hall via evening devotions. The Senator is responsible for keeping residents informed of campus issues and decisions reached by the Student Senate.

### **RESIDENCE HALLS & FOOD SERVICE**

Rooms in the residence halls accommodate two students. Each student is furnished a bed, mattress, desk, desk chair, dresser, and a wardrobe. Students are expected to furnish their own blankets, sheets, towels, and personal articles. Private rooms may be available at an additional cost, pending space.

All students living in campus housing must participate in the food service program of the university. Students with documented medical dietary may obtain a medical exemption from the Director of the Academic Resource Center. In rare instances that the food service cannot meet those needs, the student may be exempted from the food service program upon approval of the Director of the Food Service and the Director of the Academic Resource Center.

Residence Halls typically close for national holidays and when classes are not in session, with exceptions as approved. More details are available in the Student Handbook. Concordia is a substance free environment and policies of alcohol and other drug usage on campus are articulated in the Student Handbook.

### **CAMPUS MINISTRY**

Since the University's foundational and guiding principle is that "...in everything, Christ might be preeminent..." (Colossians 1:18c), Concordia offers a wide variety of daily and nightly worship and devotional opportunities to students, faculty, and staff, with many of them involving student leadership. Attendance is not required on Concordia's campus; instead the University strives to offer inspirational, enticing, and instructive services to all and in the best of Lutheran tradition.

While regular classes are in session, daily chapel services take place in the Chapel of the Holy Trinity, located in the center of campus, from 10:30am-10:50am, Monday – Friday. Daily chapel serves a vital role in fulfilling the mission of Concordia University to "develop students in mind, body, and spirit for service to Christ in the Church and world." When students participate in Chapel, they will experience a Christ-centered, consistently excellent, and engaging and participatory environment.

Many other campus ministry options, on and off campus, await student input and involvement. It is the community structure of the campus residential life which forms the spiritual and social basis of the campus community; which, in turn, equips graduates with a joyful, biblical, Christian worldview for a life of vocation, ministry, and service.

## THE OFFICE OF INTERNATIONAL STUDENT SERVICES (OISS) & STUDY ABROAD

### NATURE & SCOPE OF THE OFFICE

OISS provides students with opportunities to study away from the Concordia University campus. Concordia's students are eligible to participate in the Concordia University Systems Visiting Student Program, which allows them to spend a semester or two at another of the system's ten colleges. The Office is also responsible for coordinating and promoting international opportunities for the university community as well as distributing global education grants among students to encourage international study.

### MISSION STATEMENT FOR INTERNATIONAL STUDY

The Office of International Study seeks to help students gain a global perspective and develop the ability to interact with people of other cultures within a quality academic program.

### ELIGIBILITY FOR GLOBAL EDUCATION GRANTS

The Office of National & International Study will distribute a finite number of global education grants to students who meet, among others, the following qualifications: a full-time student; have earned 60 undergraduate or 21 graduate credits from CU; be a citizen or permanent resident of the United States; and participate in the international experience for university credit. Please check with the Office of National & International Study or its web page on CUW web site for complete information and/or an application.

### SHORT TERM STUDY ABROAD OPPORTUNITIES

Short term study abroad trips are available and typically occur during 3 week terms in Winterim or Summer semesters. In addition to standard tuition rates, extra fees are assessed for travel, lodging, etc. Travel grants are available to qualified students. Please check the study abroad website for additional information (<https://www.cuw.edu/Departments/studyabroad/index.html>).

### SUMMER TERM IN LONDON

Concordia also offers a three-week, intensive course in London, running concurrent with Summer Term 1 courses offered on campus. Students are housed in furnished apartments in south London, and the courses are taught by Concordia faculty. For more detailed information about the London Summer Term, contact the program director Dr. Mark Looker at [mark.looker@cuaa.edu](mailto:mark.looker@cuaa.edu).

## ACADEMIC POLICIES

It is the student's responsibility to be familiar with all policies and procedures of the university. It is ultimately the student's responsibility to meet all graduation requirements. Academic policies and procedures are determined by the faculty to ensure the integrity of the academic program.

### CLASSIFICATION OF STUDENTS

**Full-time:** Enrolled for 12 or more hours

**Part-time:** Enrolled for less than 12 hours

**Degree:** Seeking an Associate in Arts, a Bachelor of Arts, or a Bachelor of Science degree

**Non-Degree:** Not seeking a degree

**Church Vocation Students:** Full-time students who are preparing themselves for one of the church vocations within The Lutheran Church-Missouri Synod and have maintained a grade point average of at least 2.00.

Part-time students are not eligible to participate in intercollegiate competition or to hold any campus office.

A student enrolled in a degree program must matriculate through admissions. Upon his/her acceptance, the University is committed to do all it can to help the student successfully complete his/her chosen program. Accordingly, each degree seeking student is assigned to an advisor.

A non-degree student wishing to change to degree status shall make application to the Director of Enrollment Services (cf. Special Admissions).

Classification is determined by the total number of credits completed including those accepted by Concordia from other college or university and is established as follows:

|           |                 | <b>COURSE LOAD FOR FULL TIME STUDENT</b> |         |         |
|-----------|-----------------|------------------------------------------|---------|---------|
|           |                 | Minimum                                  | Average | Maximum |
| Freshman  | 0 – 29          |                                          |         |         |
| Sophomore | 30 – 59         |                                          |         |         |
| Junior    | 60 – 89         | Regular Semester                         | 12      | 15      |
| Senior    | 90 – graduation | Winterim                                 | 2       | 3       |
|           |                 | Summer                                   | 3       | 6       |
|           |                 |                                          |         | 9       |

Students will be required to pay the established rate per credit in addition to normal tuition for any enrollment for academic credit above 18 credits per semester.

## **ACADEMIC ETHICS**

Mutual respect and concern for one another in the atmosphere of a Christian caring community is the basic principle which should govern the relationship between student and instructor. Faculty are professional in their expectations of academic excellence and students respond with an appropriate level of effort and commitment. Unprofessional conduct and unethical behavior are serious breaches of the academic contract. The ethics code of the university provides for due process, and grievance procedures are detailed in the Student Handbook.

## **REGISTRATION & RELATED POLICIES**

Prior to each semester and before attending any class, Concordia University students must register and arrange for the payment of all tuition and fees. Dates and deadlines for registration are available from the Registrar's Office.

Registration is not final and complete until all obligations to the Business Office have been met or satisfactory arrangements have been made. Concordia University reserves the right to remove students from courses due to non-payment of tuition and/or fees.

Students will not receive credit for a class if they are not officially listed on the class roster prior to the registration deadline.

## **ADD, DROP, & WITHDRAWALS**

For 15 week courses, students may drop/add courses through the first two weeks of the semester. After the first week of the semester, the instructor must approve any added courses. The student is encouraged to discuss this decision with the instructor and his/her academic advisor. Permit courses such as fieldwork, guided studies, independent studies, internships, music lessons, and senior projects can only be added by completing the required paperwork available in the Registrar's Office and obtaining the required signatures prior to the last day to add for the session. Athletes must have the Director of Athletics signature on Drop Forms before they can be processed in the Registrar's Office.

**Adding a Course without Instructor's Signature**

First week of classes

**Adding a Course with Instructor's Signature**

Second week of classes

**Dropping a Course**

First two weeks of classes

A student must withdraw from any class from the 3rd through the 10th week. This date will be announced for each semester by the Registrar's Office. The student is encouraged to discuss this decision with the instructor and his/her academic advisor. The student will have a grade of W indicated on his/her permanent transcript. The grade of W carries no academic credit and has no effect on grade point average calculation. Withdrawing from a course may have financial aid and athletic eligibility implications. Athletes must have the Director of Athletics signature on withdrawal forms before they can be processed in the Registrar's Office.

For self-paced or other individualized courses (except correspondence courses), the student must conform to the deadlines for 15-week classes in the semester when registration occurs. Guided studies, independent studies, and honors work fall within this category. The appropriate dean must approve exceptions to the above timeline.

The Registrar may drop or withdraw a student from a class at any time, with or without the student's consent, if the instructor confirms that the student never attended class or participated in any related learning activity. The student will have a grade of W indicated on her/his permanent transcript.

### **AUDIT**

Auditing a course for no credit is available to undergraduate and guest students only. Undergraduate students may audit up to four credits per any 15-week semester. The instructor's signature is required to audit a course. Credit/Audit forms are available in the Registrar's Office. Music lessons cannot be audited. Each instructor may set his/her requirements to audit her/his class. If the requirements of the instructor are met, then the grade of "AU" is assigned. If the requirements of the instructor are not met, then the grade of "W" is assigned. Students may choose to audit a class though the day specified on the academic calendar. A grade of "AU" does not affect a student's grade point average and does not count toward credits attempted. However, it may result in a negative impact on financial aid and/or athletic eligibility. A student may change from credit to audit OR audit back to credit through the 14th day of the semester.

### **INDIVIDUAL INSTRUCTION & INDEPENDENT STUDY PROPOSALS**

A course which has an approved syllabus but is not available during the time period required by the student to graduate may be taken as an individual instruction study with approval of the instructor and permission of the appropriate Dean and the Coordinator of Academic Operations. Students will be assessed an individual study fee of \$130/credit hour for courses which may be taken by the student at another time and therefore are considered electives in the student's academic plan. Certain criteria are required and applications are available in the Registrar's Office.

Independent study is a form of self-directed learning that goes beyond coursework that is offered at Concordia University and is pursued by a student following a written plan of study developed in consultation with a supervising instructor. Independent Study Applications are available in the Registrar's Office and must be approved by the appropriate Dean and the Coordinator of Academic Operations.

### **WITHDRAWAL FROM THE UNIVERSITY**

Students who wish to withdraw from the University during a term must notify the Coordinator of Student Success & Retention. If withdrawal is authorized, the student will receive the notation "W" on his/her permanent academic record for each course in which s/he is good academic standing; for each course, in which the student is doing failing work, s/he will receive the notation "WF." In the event that a student is seriously injured/ill, receives an official leave of absence, or cannot continue for any acceptable reason, the student will receive a "W" in all registered courses. A student who discontinues attending classes without official permission to withdraw will receive a grade of "WF" for all registered courses.

All students who are dismissed for conduct/behavioral reasons are to leave the campus and remain away until permission to return is granted. Any deviation from this policy may result in forfeiting the possibility of readmission. Requests for exceptions are to be addressed to the Dean of Students.

Students dismissed for academic reasons are able to be on campus visiting unless otherwise noted in their dismissal.

Students wishing to return to the University must wait at least one semester before re-applying for admission through the Office of the Admissions.

## WINTERIM

Winterim offers students the opportunity either to explore topics not in their regular course of studies or to take courses that are part of their Core, major, or minor programs. Students pay a reduced per credit tuition for these three week January courses. 2-3 credits are typical; 4 is the credit maximum.

## CHANGE OF NAME OR ADDRESS

Students are to promptly notify the Registrar in writing of any change in name or address.

## ACADEMIC ADVISING

Students in the School of Arts & Sciences will be assigned an academic advisor, among the faculty, in their chosen area of study. All students in the Haab School of Business and the School of Education will be assigned school specific advisors. All students should have a four year academic plan developed with their advisors by the end of their first year. Students may select a new advisor at any time by completing a Declaration of Advisor Form which can be obtained from the Registrar's Office and obtaining the signature of the new advisor.

## FINAL RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS RESTS WITH THE STUDENT.

## GRADING SYSTEM

Formal reports of the student's progress are available at the close of each semester. At mid-semester, a report of very low grades (D's and F's) is given to the student.

The following grade point system is used in connection with these grades:

|                                    |                                                                                                                                                                                                              |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A — equals 4.00 points per credit  | P — 0.0 points pass in pass-fail course, not computed in grade point average, credits counted.                                                                                                               |
| A- — equals 3.67 points per credit | NC — 0.0 points, failure in pass-fail course, not computed in grade point average, no credit earned.                                                                                                         |
| B+ — equals 3.33 points per credit | W — 0.0 points, withdrawn without penalty, not computed in grade point average. Given for withdrawal previous to withdrawal deadline, and for certain extenuating circumstances thereafter, such as illness. |
| B — equals 3.00 points per credit  | WF — 0.0 points, withdrawn with penalty, is computed in grade point average. Given for withdrawal after the withdrawal deadline under unauthorized conditions.                                               |
| B- — equals 2.67 points per credit | I — 0.0 points, incomplete, not computed in grade point average,                                                                                                                                             |
| C+ — equals 2.33 points per credit |                                                                                                                                                                                                              |
| C — equals 2.00 points per credit  |                                                                                                                                                                                                              |
| C- — equals 1.67 points per credit |                                                                                                                                                                                                              |
| D+ — equals 1.33 points per credit |                                                                                                                                                                                                              |
| D — equals 1.00 points per credit  |                                                                                                                                                                                                              |
| D- — equals .67 points per credit  |                                                                                                                                                                                                              |
| F — equals 0.00 points per credit  |                                                                                                                                                                                                              |

Quality points are allocated for each credit earned to provide numerical evaluation of a student's scholastic record. Quality points for each credit are assigned as indicated above. To determine quality points for a course, simply multiply the credit hours by the quality points allotted for the assigned grade.

To calculate a grade point average for courses completed by the student, the total number of quality points accumulated is divided by the total number of credits attempted for a letter grade (excluding the total number of credits for the following grades: AU, CR, I, NC, P, TR and W). Thus, if a student has earned 97.3333 points for 30 credits attempted, the cumulative grade point average is  $97.3333 \div 30$  or 3.2444. When a course is repeated, the higher grade will be used in computing the grade point average. Repeat grades are used in the grade point average and total credits earned calculations for courses in which repeats are allowed for additional credit (e.g. music ensembles and advanced art courses).

The cumulative grade point average is calculated using coursework taken at Concordia University, approved courses taken through the Concordia University Visiting Student Program, and courses taken through the Study Abroad Program. In considering the admission of transfer students to teacher education, all grades, including transfer credits, may be used to evaluate major/minor/program grade point averages.

## **GRADE CHANGES**

### **SEE GENERAL ACADEMIC GRIEVANCE POLICY BELOW FOR PROCEDURE**

Once a course grade has been made available to the student, a change of that grade will be permitted on the following time basis:

For a course taught in the traditional semester format (Fall, Winterim, Spring, or Summer) the grade change is to occur within three calendar weeks following the end of the given semester.

For a course taught in the non-traditional format the change is to occur within six calendar weeks.

The above policy does not apply to grades of Incomplete.

## **FINAL EXAM EXEMPTIONS**

Exemptions to final examinations may be offered to students carrying an A for the course at the discretion of the instructor. First semester freshmen are not eligible for exemptions. Second semester freshmen and sophomores can be exempted from one exam per semester. Juniors and seniors can be exempted from no more than 2 exams per semester. If an instructor offers exemptions and students elect to take them, the instructor must submit the name of the course and the names of students taking the exemption to the office of the Coordinator of Academic Operations before the second last week of the semester.

## **INCOMPLETE GRADES**

An incomplete grade given in any term (i.e., first and second semester, Winterim, Summer Session) becomes a failing grade if the work is not completed within three weeks after the end of the final examination period for that term or by the time agreed to between the instructor and student. Requests for extension of time to resolve an "I" grade will be approved only when the instructor is satisfied that circumstances prompting the request justify waiving this three-week policy. In unusual circumstances, beyond the control of the student and the approval of the instructor, incomplete grades can be held for one semester.

## **ACADEMIC STANDING, PROBATION, & DISMISSAL**

In general, a traditional undergraduate student is considered in good academic standing if s/he maintains a cumulative grade point average (GPA) of 2.0 or higher. Academic standing is assessed at the end of each semester. When a student's cumulative GPA dips below 2.0, s/he is placed on academic probation. The student remains on probation if subsequent semester GPAs are 2.0 or above, but his/her cumulative GPA remains below 2.0. However, if at any time on probation, the student's semester GPA again dips below 2.0, s/he will be dismissed from the University. Furthermore, students must have a 2.0 GPA or higher in order to graduate. It should be noted, however, that some undergraduate programs have their own standards for academic good standing and program completion, which work in conjunction with the aforementioned general standards.

### **Appeal Process**

Traditional undergraduate students who are dismissed from a particular academic program, but not from the University, may appeal their dismissal within the process established by their program. Students who are dismissed from their program and whose appeal was denied by their program may only appeal to the Academic Office if they believe that their program's appeal process was not properly followed. If that is the case, the student will present an argument in writing to the Academic Office. The Coordinator of Academic Operations will examine the request, and if s/he ascertains that due process was not followed, s/he may return the appeal to the program for reconsideration. This decision will be communicated to the student within 10 working days of receiving his/her request.

Students who are dismissed from the University may schedule an appeal with the Traditional Undergraduate Academic

Appeals Committee (TUAAC) through the Academic Office. In advance of their appeal appearance, students must send a letter to the Academic Office that explains why they were not successful and what they plan to do to improve their academic performance should they be readmitted. In most cases, the TUAAC will render a decision immediately after meeting with the student. Students who lose their appeal must sit out at least one semester, after which they may re-apply for admission. Their re-application will be enhanced if they can demonstrate academic success at another school in the intervening period. The TUAAC on the Ann Arbor campus consists of the Coordinator of Academic Operations (who chairs the committee), the Asst. Registrar, the ARC Director, the Coordinator of Student Success and Retention, the Dean of Students, the student's academic advisor, and one of the student's instructors.

All dismissed students may appeal a decision to the Chief Administrative Officer (if at Ann Arbor) in writing within 5 working days of the decision only if they can demonstrate that due process was not followed.

### **ACADEMIC DISHONESTY POLICY**

1) **First instance:** The faculty member determines the penalty. This may include any of the following: an opportunity to redo the assignment or test, a reduced grade on the assignment or test, a failing grade on the assignment or test, a lower grade in the course, a failing grade in the course, or removal of the student from the course.

2) **Second instance:** The faculty member determines the penalty, and the Coordinator of Academic Operations or designee connects with the student at which time additional sanctions may be imposed.

3) **Third instance:** The faculty member determines the penalty, and the Academic Conduct Board (ACB) meets with the student at which time additional sanctions may be imposed, including suspension or expulsion. The ACB consists of the Coordinator of Academic Operations, the Dean of Students, and the campus Dean of the School in which the student resides. If the student is an adult learner, the appropriate Center Director joins the ACB. If the student is a graduate student, the appropriate Program Director joins the ACB. The decision of the ACB is final.

### **Appeal Process**

Students may appeal a faculty-issued academic dishonesty decision or penalty in writing to the Campus Dean of the School in which the course was offered within 15 working days of receiving the report. S/he will consider the appeal and render a decision within 10 working days of receiving the appeal and issue a written response to the student.

### **GENERAL ACADEMIC GRIEVANCES (INCLUDING GRADE APPEALS)**

The steps listed below are to be carried out with an attitude of Christian love and concern for academic, moral, and spiritual growth. Face-to-face meetings are encouraged throughout the process, but may not be possible because of the situation.

**Step I:** The student meets with the instructor to resolve the matter informally.

**Step II:** If the student is not satisfied, s/he may file a written complaint with the campus Dean of the School in which the course was taught within 10 working days of meeting with the instructor. The campus Dean will render a decision and send a written response to the student and the instructor within 10 working days of receiving the grievance.

### **CLASS ATTENDANCE**

It is expected that a student enrolled in a course will attend class regularly. Registration assumes that the student is not merely interested in receiving credit for the class but wishes to contribute to it as well. Program policies or individual faculty members will specify attendance policies and/or requirements, which may affect grades. Absences due to participation in university events do not exempt students from meeting course requirements and class expectations.



## TRANSFER OF CREDIT

A student entering with advanced standing must have an official transcript sent directly to the Office of Admission from each collegiate institution previously attended. Official transcripts are required for an accurate evaluation of transfer credits. For transfer credit, Concordia University will consider college-level credits originally earned at any regionally accredited institution of post-secondary education or through the military services (as recognized by the American Council on Education). Credits accepted by Concordia's Registrar may be used toward university-wide requirements, and they must be approved by the appropriate department to fulfill program/major/minor requirements. No credits from courses with grades below C- (1.6667) will be accepted for transfer. Grades of "pass" or "satisfactory" or any similar term will be considered as C- (1.6667) or better unless the official transcript indicates a different policy at the originating institution. Only the grades for transfer credits earned under an articulation agreement may be entered on the student's transcript. Grades for general transfer credits are not recorded on the Concordia transcript but may influence grade point averages for some programs/majors/minors and financial aid.

After a student is enrolled at Concordia, courses taken at other regionally accredited institutions should be approved in advance and in writing through the Registrar's Office.

## TRANSCRIPTS

An "Official" transcript is one bearing the seal of the University and the signature of the Registrar or his/her representative. Official transcripts are typically mailed directly to institutions or persons considering the applicant for admission or for employment. Official transcripts are provided at the student's request at a fee (per copy) as determined by the University. The current official transcript fee can be obtained by referring to the official Transcript Request Form ([www.cuaa.edu](http://www.cuaa.edu)) or by contacting the office of the Registrar.

An "Unofficial" transcript is one given, at no additional cost, to the student whose credits are listed thereon and is marked "unofficial" or "student copy." Concordia University accepts no responsibility for the accuracy of an unofficial transcript after it has been issued.

Federal regulations require the student's signature before the record can be released. You can access the Transcript Request Form by visiting our website: [www.cuaa.edu](http://www.cuaa.edu)

## CORE CURRICULUM TRANSFER CREDIT

A transfer student who enrolls as a full-time baccalaureate student and has partially completed traditional general education requirements shall complete the remaining core requirements with courses from Concordia's Core Curriculum. Exceptions can be granted only through Michigan Uniform Undergraduate Guest Applications or a Petition for Substitution with the appropriate signature(s) of approval (both forms are available at the Registrar's Office). An evaluation of transfer credit is done by the Registrar. Courses to complete core curriculum requirements are selected when preparing a degree completion plan with an academic advisor.

## CREDITS EARNED DURING MILITARY SERVICE

Veterans may receive appropriate credit for education preparation and experience acquired while in the armed forces. A veteran with an honorable discharge from active duty can receive such credit in accordance with the recommendations of the American Council on Education. Veterans should contact the Registrar's Office for assistance and should submit a copy of their DD214 (discharge papers) and an official military transcript (JST: Joint Services Transcript).

## GUEST CREDITS

Current students wishing to supplement Concordia's curriculum offerings may attend other colleges on a part-time basis as a guest student. Written approval from the Registrar is required before enrolling in courses outside of Concordia University. Michigan Uniform Undergraduate Guest Applications for all Michigan colleges and universities are available. The student is responsible for tuition charges and coordinating registration at the guest institution. These credit hours are not considered part of the student's Concordia course load, unless a signed consortium agreement is executed through the Financial Aid Office or an articulation agreement exists between the

two schools. The student must request an official transcript to be mailed back to Concordia upon completion of the course.

### **EARNING AN ADDITIONAL BACCALAUREATE DEGREE**

Anyone who has already earned a baccalaureate degree from Concordia University or any other regionally accredited college or university may apply for admission to seek an additional baccalaureate degree under the following conditions: The student must meet all degree requirements (including general studies) with the exception of the requirement for 126 credits; however, the student must earn at least 30 credits (beyond those used for any previous baccalaureate degree) at Concordia University.

Any major or minor included in a previous degree cannot be included in the new degree; however, a previous minor can be the basis for a new major.

### **THE DEAN'S LIST**

The Dean's List for the University is composed each semester of those full time student(s) who have a semester grade point average of 3.6 or above. At least 12 of the semester credits must earn letter grades other than P, NC, AU, I, or W to qualify.

### **GRADUATION WITH HONORS**

Honors graduates receiving undergraduate degrees are acknowledged at commencement by gold-colored honor cords worn with the graduation gowns, by public announcement as they cross the stage, and also noted in the commencement program. These honors will also be designated on the student's academic record and diploma upon graduation.

Designation as an honors graduate requires that the degree candidate have completed at least 60 credit hours at Concordia University, and have at least a 3.60 cumulative GPA. Cumulative grade point averages are based on coursework taken at Concordia University, approved courses taken through the Concordia University Visiting Student Program and the courses taken through the Study Abroad Program. The specific honors levels are as follows:

- 3.60 - 3.79 GPA = Cum Laude
- 3.80 - 3.89 GPA = Magna Cum Laude
- 3.90 - 4.00 GPA = Summa Cum Laude

Honors announced during the "commencement ceremony" will be determined based on the GPA at the end of the fall semester. Honors for "transcript entry" are determined at the end of the final semester. While the number of credit hours earned during the graduation term does not affect the determination of graduation honors for recognition at Commencement, quality points earned during the graduation term are considered in calculating the final GPA which determines the graduation honors for the transcript. Therefore, any announcements made at the ceremony are tentative and subject to change.

### **GRADUATION**

Concordia University confers the degree of Bachelor of Arts or Bachelor of Science on a student of good character who has met the following requirements:

1. Accumulated a cumulative grade point average of 2.00 or better for all credited work completed at Concordia.
2. Earned a minimum of 36 semester credits of academic work on campus, at least 12 of which should be in the major, and have spent the last two semesters in residence including the one immediately prior to graduation. Residence is defined as registration for course work.
3. Filed application for candidacy by March 1 of the year in which the student plans to participate in commencement.
4. Satisfied any program specific requirements.
5. Met all financial obligations to the University
6. Every candidate is expected to attend graduation exercises. Requests for excuse in extenuating circumstances should be directed to the Registrar.

Concordia University confers the degree of Associate in Arts on a student of good character who has met the following requirements:

1. A cumulative grade point average of (2.00) or better for all credited work completed at Concordia University.
2. Completed all necessary degree requirements for the program in which the student is enrolled.
3. Spent at least two semesters in residence, including the one immediately prior to graduation. Evening division degree candidates need not meet residency requirements, but instead must complete a minimum of 18 semester hours of academic work on campus.
4. Filed application for candidacy before registering for the final semester.
5. Met all financial obligations to the University.
6. Every candidate is expected to attend graduation exercises. Requests for excuse in extenuating circumstances should be directed to the Registrar.

Students must be enrolled in sufficient course(s) during their final semester at CU to anticipate receiving their degree.

### **PARTICIPATION IN GRADUATION**

Undergraduate and graduate students will submit an application to graduate by March 1 of the year in which the student plans to participate in the commencement ceremony. CUAA has one commencement ceremony in May of each year. Students who have earned a minimum of 102 credits of degree requirements at the end of the fall semester and who meet the minimum grade point standards for their degree program are eligible to participate in the commencement ceremony.

Occasionally, students finish all of their degree requirements well before the next degree conferral date. Under these circumstances, the student can request, from the Registrar's Office, a formal letter of certification verifying that all degree requirements have been met and the expected date of degree conferral. These letters are provided to the student directly, to employers or admissions offices. Students who request a letter of certification must also provide the name, title, and address of the party to whom it will be sent.

### **FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)**

Concordia University establishes relationships with its students based on their status as emerging adults, and is committed to fostering their development and self-direction. In this situation, the university expects that its students will assume primary responsibility for their education and well-being. Concordia University also recognizes its obligation to the parents of its students to act in the students' best interest.

In defining the terms of its relationship with students and parents, the university's actions are informed by federal and state law, including the federal Family Educational Rights and Privacy Act (FERPA). This act ensures that most communication between a student and the university is considered confidential, and that such information about a student's experience can be shared with the parents of an individual student only under very specific circumstances as defined by federal law. All rights accorded a student under this law take effect at the time of enrollment in a post-secondary educational program regardless of the student.

The purpose of the Family Educational Rights and Privacy Act (FERPA) is to protect the confidentiality of student educational records. Educational records are those records directly related to students and maintained by an institution or a party acting for the institution. Personally identifiable student information is protected by FERPA. Violations of FERPA place the University at risk. The penalty for noncompliance can be withdrawal of Department of Education funds from the institution. In addition, disclosure of student information could subject both the University and the individual disclosing the information to criminal and civil penalties. One of the main emphases of FERPA is that personally identifiable information may not be released without prior written consent from the student. However, the university is permitted to disclose student information without written consent to "school officials" whom the institution has determined have a legitimate educational interest. Although a person has been designated as a "school official", he/she does not have inherent rights to any and all education record information. Additionally, the school official must demonstrate a legitimate educational interest as opposed to a personal or private interest and such a determination must be made on a case by case basis. Disclosure to a school official having legitimate educational interest does not constitute authorization to share that information with a third party without the student's written permission.

All individuals who are attending or have attended Concordia University have certain rights with respect to their educational records.

These rights include:

- Right to review and inspect their educational records;
  - Right to request the amendment of their educational records to ensure that they are not inaccurate, misleading, or otherwise in violation of their privacy or other rights;
  - Right to have some control over disclosures of personally identifiable information contained in their educational records, except to the extent that FERPA authorized disclosure without consent;
  - Right to file with the U.S. Department of Education a complaint concerning alleged failures by the University to comply with the requirements of FERPA;
  - Right to obtain a copy of the University's Policy and Procedures for FERPA
1. An educational record is defined as any record (in handwriting, print, tapes, film, or other medium) maintained by Concordia University or an agent of the university which is directly related to a student, except:
    - Records kept by instructional, supervisory, administrative and certain educational personnel which are in the sole possession of the maker of the records and are not accessible or revealed to any other individual except
    - A substitute who performs on a temporary basis the duties of the individual who made the record;
    - Employment records of an individual whose employment is not contingent on the fact that he or she is a student, provided the record is used only in relation to the individual's employment;
    - Alumni records which contain information about a student after he or she is no longer in attendance at Concordia University and which do not relate to the person as a student.
  2. Requests by students for access to or copies of their educational records must be made to the Registrar's Office.

Access to educational records will be permitted by third parties only under the following conditions:

- The student has given written consent to release the record;
  - The individual or agency requesting information is included under Section 99.31 of the Federal Regulations, which permits release of an education record without the student's consent. Section 99.31 permits release to the following organizations or individuals, without the student's consent:
    - To Concordia University school officials who have a legitimate educational interest;
    - To certain officials of the U.S. Department of Education, the Comptroller General, and state and local educational authorities, in connection with certain state or federally supported education programs;
    - In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid;
    - To third parties requesting designated "directory information"
    - To accrediting organizations;
    - To parents of an eligible student who claim the student as a dependent for income tax purposes. The University may require copies of the most current income tax returns to verify dependent status;
    - To comply with judicial order or subpoena; provided that a reasonable effort to notify the student is made in advance of compliance;
    - To an alleged victim of any crime of violence as the result of any institutional disciplinary proceedings against the alleged perpetrator of that crime with respect to that crime;
    - To organizations conducting studies for the University;
    - To appropriate parties in a health or safety emergency.
    - To military recruiters per the Solomon Amendment
3. Directory information will be defined as a student's name, addresses (including permanent, local and e-mail), telephone numbers, date of attendance, class level, photographs, birth date and place of birth. Previous

institutions attended, major field of study, awards, honors, degrees conferred, full/part time status, number of credit(s) carrying in current semester. Past and present participation in officially recorded athletic and co-curricular activities, physical and other similar information which would not generally be considered harmful to a student, or an invasion of privacy if disclosed. Students may prevent the release of directory information by completing the appropriate Request to Prevent Disclosure of Directory Information form that is available in the Registrar's Office. This notification will remain in effect until the student informs the Registrar's Office in writing to remove the block to designation and disclosure.

4. A school official will be:
  - A person employed by the institution in an administrative, supervisory, academic, research, or support staff position carrying out an institutional responsibility;
  - A person serving on an institutional governing body;
  - A person employed by or under contract to the institution to perform a special task, such as an attorney, auditor or lending agency.
5. A legitimate educational interest will be defined as a need of a university official to know the contents of an educational record in a context that is related to a university objective and is not in conflict with state or federal law of the university policy. The custodian of the educational record requested must decide the legitimacy of each request for information. If there is any doubt or question regarding the request, the custodian should withhold disclosure without either written consent of the student, concurrence of appropriate institutional officials, or approval of the immediate supervisor. Employees in offices containing educational records must be instructed to determine legitimate educational interest before an educational record is released in all cases.
6. Any student worker that may have access to records, which contain individually identifiable information, will be required to sign the Student Worker Statement of Understanding FERPA.
7. A notification entitled "Concordia University Notification of Rights under FERPA and the Directory Information Public Notice" will be made available to all students annually. In addition, students' rights are outlined in the university catalog and handbook.
8. Responsibility for administering the Act has been assigned to the Family Policy Compliance Office within the Department of Education. This office reviews and investigates complaints and attempts to bring about compliance through voluntary means. The penalty for noncompliance with Federal regulations can be withdrawal of Department of Education funds from institutions, but action to terminate funding generally will be taken only if compliance cannot be secured by voluntary means.

## ACADEMIC PROGRAMS

### ACCREDITATIONS & AFFILIATIONS

Concordia University is a member of The North Central Association of Colleges and Schools. North Central granted initial accreditation of Concordia's program in 1968. The North Central Association most recently reviewed the expanded academic program in 2011. Accreditation of the four-year program has been in effect since July 1976 and the graduate program since 1999. In addition, Concordia University is accredited by the National Council for the Accreditation of Teacher Education (NCATE) and its business school is accredited by the International Assembly for Collegiate Business Education (IACBE). Documents are on file in the Office of the Vice President, Academics and may be reviewed by appointment.

Concordia holds membership in: the Lutheran Educational Conference of North America; the Association of Independent Colleges and Universities of Michigan; the National Association of Independent Colleges and Universities; the American Council on Education; the American Association of Collegiate Registrars and Admissions Officers; the Michigan Association of Collegiate Registrars and Admissions Officers; the American Association of Higher Education; the Michigan Association for Colleges of Teacher Education; the National Research Center for College and University Admissions; the National Association of Christian College Admissions Personnel; the Lutheran Admission Counselors of the Missouri Synod; the Association of Lutheran College Faculties; the National Christian College Athletic Association; and the National Association of Intercollegiate Athletics.

Concordia University is a member of the Concordia University System - a consortium of the ten colleges and universities nationwide of the Lutheran Church-Missouri Synod. When students enroll at one Concordia campus, they are also enrolled in the Concordia University System through a process called simultaneous enrollment. This provides qualified students with the opportunity to participate in the visiting student program, which allows up to two semesters of study on another Concordia campus. In addition, students in the Concordia University System may use all of the computer, communication, and video technologies which allow students on one campus to participate in selected courses on other Concordia campuses.

Concordia University Wisconsin is registered as a Private Institution with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

Revisions in degree requirements and academic regulations take effect on the first day of July following their adoption by the faculty and the Board of Regents. Students at Concordia University will normally follow the degree requirements and academic regulations in effect at the time of their admission; however, a student who changes a major, minor, or program may be required to follow the requirements in effect at the time of the change. Such a decision would be based on the availability of required courses and may be appealed to the appropriate dean. Revised requirements by government agencies or certification associations may influence the student's degree requirements regardless of previously stated requirements.

Students are expected to read the regulations of the University and to conform to them. The student, not the University or any member of the faculty or staff, is responsible for meeting the requirements for a degree. Petition forms for the substitution or waiver of a requirement are available from the Registrar and must be approved.

Registration and payment of fees imply an agreement by the student to conform to regulations of the University. Failure to meet obligations to the University, financial or otherwise, will be cause for refusal to issue a degree, transcript, and/or diploma.

**FINAL RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS RESTS WITH THE STUDENT.**

## THE BACCALAUREATE DEGREE

### DEGREE REQUIREMENTS

1. Earned 126 credits, 36 of which must be taken at Concordia University, and at least 12 of which are in the chosen major.
2. Accumulated a cumulative grade point average of 2.00 for all credited work at Concordia.
3. Must pass at least 2 courses with the designation writing-intensive (w).
4. Satisfy any program specific requirements\*

\*Please note: some majors specify that a minor is required. In order to earn 126 credits to graduate, any major requiring less than 48 credits may require a minor. In all cases, the student should check with his/her advisor and the Registrar's office to determine program requirements.

All students must complete the following requirements described below to earn a bachelor's degree.

#### 1. **The Core Curriculum** - 48-51 credits

#### 2. **Major** - minimum of 30 credits

|                                  |                                |                                 |
|----------------------------------|--------------------------------|---------------------------------|
| Accounting                       | Economics                      | Mathematics                     |
| Art                              | Elementary Education**         | Music                           |
| Art Education (K-12)**           | English                        | Music Education (K-12)**        |
| Athletic Training                | Exercise Science               | Nursing RN-BSN Completion       |
| Biology                          | Family Life Education          | Physical Education**            |
| Business Communication           | Finance                        | Pre-Seminary Studies            |
| Business, General                | History                        | Psychology                      |
| Christian Thought                | Hospitality & Event Management | Public Relations                |
| Communication, Mass              | Individualized                 | Radiologic Technology           |
| Computer Science                 | Integrated Science**           | Secondary Education**           |
| Criminal Justice & Public Policy | Language Arts**                | Social Studies                  |
| Diagnostic Medical Sonography    | Liberal Arts                   | Special Education Endorsement** |
| Early Childhood Education        | Management                     | Sport & Entertainment Business  |
|                                  | Marketing                      | Theological Languages           |

\*\* Available to School of Education students only

#### 3. **Minor** – minimum of 18 credits (a minor may not be required, student should check with his/her advisor)

|                                  |                                      |                                |
|----------------------------------|--------------------------------------|--------------------------------|
| Accounting                       | Early Childhood Education**          | Music                          |
| Accounting, Forensic             | Economics                            | Philosophy                     |
| Accounting, Managerial           | English as a Second Language (ESL)** | Physical Education**           |
| Adolescent Studies               | English                              | Physical Science               |
| Art                              | Entrepreneurship                     | Physics                        |
| Biology                          | Family Business                      | Psychology                     |
| Business Communication           | Finance                              | Public Relations               |
| Business, General                | History                              | Social Studies                 |
| Chemistry, General               | Hospitality & Event Management       | Sociology                      |
| Child Life Specialist*           | Human Resource Management            | Spanish                        |
| Children's Ministry*             | Individualized                       | Sport & Entertainment Business |
| Christian Thought                | Integrated Science**                 | Theological Languages          |
| Communication, Mass              | Language Arts**                      | Worship Arts Leadership        |
| Community Services*              | Management                           | Youth Ministry*                |
| Computer Science                 | Marketing                            |                                |
| Criminal Justice & Public Policy | Mathematics                          |                                |

\* Available to Family Life Education majors only    \*\* Available to School of Education students only

#### 4. **Electives:** to reach a minimum of 126 credit hours; which is the required minimum to receive a bachelor's degree from Concordia University.

## ASSOCIATE IN ARTS DEGREE (A.A.)

### 1. CORE CURRICULUM -- 36 crs.

|                                      |                                                                      |
|--------------------------------------|----------------------------------------------------------------------|
| Liberal Arts Preparation (3 crs.)    | Humanities (6 crs., Choose Two Areas)                                |
| LA103 College, Career, & Calling     | HIST103 History or ENG103 Literature or Creative Arts Elective       |
| Theology (6 crs.)                    | Cross Culture Course (3 crs.)                                        |
| REL100 The Bible                     | GEOG220 Cultural Geography, Non-Western History, OR Foreign Language |
| REL110 Christian Faith               | Science elective (with Lab) (4 crs.)                                 |
| Communications (6 crs.)              | Mathematics/Computer Science elective (3 crs.)                       |
| ENG104 Introduction to Writing       | Physical Education (2 crs.)                                          |
| COMM105 Public Speaking              | HHP100 Introduction to Lifetime Fitness                              |
| Social Science (3 crs.)              | HHP1xx Physical Education Activity elective                          |
| PSY101 General Psychology or SOC101  |                                                                      |
| Introduction to Sociology or COMM201 |                                                                      |
| Interpersonal Communication          |                                                                      |

### 2. PROFESSIONAL COLLATERAL -- Minimum 27 crs.

## THE CORE CURRICULUM

A LIST OF CLASSES THAT FULFILL THE CORE REQUIREMENTS IS AVAILABLE IN THE REGISTRAR'S OFFICE

### THE COMMON CORE – ALL STUDENTS TAKE THESE COURSES FOR A TOTAL OF 15 CREDITS

|                                          |                                                     |
|------------------------------------------|-----------------------------------------------------|
| Writing (3 crs.)                         | Christian Doctrine (3 crs.)                         |
| ENG104 Introduction to Writing           | REL110 OR                                           |
| Bible Content (3 crs.)                   | REL204 Biblical Theology (for church work students) |
| REL100 The Bible OR                      | Civilization & Worldviews: History (3 crs.)         |
| REL201 The Old Testament & REL203 The    | HIST103 History                                     |
| New Testament (for church work students) | Civilization & Worldviews: Literature (3 crs.)      |
|                                          | ENG103 Literature                                   |

### THE NARRATIVE CORE – IN EACH CATEGORY, STUDENTS CHOOSE ONE COURSE FROM EACH CATEGORY FOR A TOTAL OF UP TO 15 CREDITS

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Communications (3 crs.)            | The University Experience (3 crs.)   |
| Culture (0-3 crs.)                 | LA103 College, Career, & Calling     |
| Citizenship (3 crs.)               | (required for all incoming freshmen) |
| Philosophical Foundations (3 crs.) |                                      |

### THE ELECTIVE CORE – STUDENTS CHOOSE ONE OR MORE COURSES FROM EACH CATEGORY FOR A TOTAL OF 21 CREDITS

|                        |                               |                            |
|------------------------|-------------------------------|----------------------------|
| Mathematics (3 crs.)   | Physical Development (2 crs.) | Lab Science (4 crs.)       |
| Creative Arts (3 crs.) | HHP100 Introduction to        | Social Science (3 crs.)    |
| Language (3 crs.)      | Lifetime Fitness (1 cr.)      | Theology elective (3 crs.) |
|                        | (Required for all students)   |                            |

**WRITING INTENSIVE (W) REQUIREMENT - 6 CREDITS. “W” IS LISTED NEXT TO THE COURSE TITLE, IN THE COURSE DESCRIPTION SECTION, FOR ALL APPLICABLE COURSES. A LIST OF “W” COURSES IS ALSO AVAILABLE IN THE REGISTRAR’S OFFICE.**

All students will complete two writing intensive courses designated with a “(w)” at Concordia University. These courses are not transferable and include writing instruction that goes above and beyond regular coursework. Writing intensive courses are often, but not always, part of the required courses in a major, minor or program. When a writing intensive course is applied to the requirements for a major, minor or program, the general studies writing intensive requirement is fulfilled and the credits are applied to the major, minor or program.



## THE ADVANCED TRANSFER CORE

1. All students holding an accredited Associate Degree will be granted Advanced Transfer status.
2. Students presenting at least 63 acceptable transfer credits from an accredited college (but not holding an associate degree) will be granted Advanced Transfer status.

### TRANSFER CORE REQUIREMENTS -- 31 CREDITS.

Social Sciences (9 crs.)

(History, political science, sociology, psychology, anthropology, cultural geography, cross-cultural studies, economics)

Humanities and The Arts (6 crs.)

(Literature, music, art, drama, dance, philosophy)

Mathematics and Communication (6 crs.)

Writing Course (3 crs.)

(Speech, foreign languages, linguistics, computer languages, sign languages, mathematics)

Theology (6 crs.)

REL100 The Bible

(non-church work students only)

REL110 Christian Faith

(non-church work students only)

Lab Science (4 crs.)

(Biology, chemistry, geology, geography, astronomy, physics or physical geography with a lab)

## RESERVE OFFICER TRAINING CORPS (ROTC)

### ARMY RESERVE OFFICER TRAINING COURSE

Concordia University students have the opportunity to fully participate in the Army Reserve Officer Training Course (AROTC) program. Students in the program attend AROTC courses at the University of Michigan. This program prepares Concordia University students for commissions in the U.S. Army, Army National Guard, or the U.S. Army Reserve. The Army offers a number of scholarship opportunities to Concordia University students enrolled in the ROTC program. These scholarships are awarded on a competitive basis and can be applied to tuition expenses at Concordia University. CUAA students will register for AROTC classes as guest students at the University of Michigan and those credits taken will be fully transferrable back to CUAA as elective credits.

Prospective students interested in the Army ROTC program are encouraged to visit the Army ROTC website [www.armyrotc.com](http://www.armyrotc.com), the University of Michigan Army ROTC website [www.mu.edu/rotc/army/html](http://www.mu.edu/rotc/army/html), or contact the ROTC recruiter Peter Drake at [pdrake@umich.edu](mailto:pdrake@umich.edu).

## COOPERATIVE PROGRAMS

Concordia University enables students to enrich their academic preparation by taking courses at other higher education institutions with which CU has a written agreement. Consult the Registrar's Office for eligibility and guidelines.

## PROGRAM CHANGES

Requirements are subject to change in programs, majors or minors.

## THE INDIVIDUALIZED MAJOR & MINOR

(Major 30 cr. Minimum; Minor 18 cr. minimum)

An exception to the requirement of a readymade major may be granted to a limited number of capable students with special needs or interests. For example, the student whose particular academic interests or career goals may better be served by a distinctive and flexible, but related grouping of courses, that provide for sustained contact with some problem or topic, may develop an appropriate major within the existing resources of the college.

Such self-designated proposals are initiated by the student with the aid of the mentor or academic advisor, developed with the assistance of a professor from an appropriate field, and submitted to the Coordinator of Academic Operations for approval. The Coordinator of Academic Operations will report all approved Individualized Major/Minor proposals to the Academic Council. If approved, a copy of the plan must be filed in the student's records by the Registrar.

## SCHOOL OF ARTS AND SCIENCES

### HUMANITIES & FINE ARTS

#### ART

The study of art includes: the expression of individual ideas through the creation of art, the interpretation and understanding of visual signs and symbols through critical study, and the appreciation and understanding of art as a visual record of the human experience. Art majors experiment with a variety of materials and techniques to encourage artistic and cognitive growth while mastering media as means of personal expression. A number of courses are taken at nearby Washtenaw Community College (WCC), which offers excellent additional facilities. A minor in Business is strongly recommended to help students develop the skills they will need to channel their talents into a successful career.

#### ART MAJOR, 61-63 crs.

##### Required Courses:

|                                              |        |
|----------------------------------------------|--------|
| GDT 104 Introduction to Graphic Design (WCC) | 4 crs. |
| ART 145 Drawing for Art Majors               | 3 crs. |
| PHO 111 Photography I (WCC)                  | 4 crs. |
| ART 210 3D Design                            | 3 crs. |
| ART 230 Printmaking I                        | 3 crs. |
| ART 245 Drawing II                           | 3 crs. |
| ART 258 Ceramics I                           | 3 crs. |
| ART 275 Sculpture I                          | 3 crs. |
| ART 280 Living with the Arts                 | 3 crs. |
| ART 341 Painting I                           | 3 crs. |
| ART 382 20th Century Arts and Culture        | 3 crs. |
| ART 385(w) Art History I                     | 3 crs. |
| ART 386(w) Art History II                    | 3 crs. |
| ART 450 Senior Portfolio/show                | 1 cr.  |

#### ART MINOR, 24 crs.

##### Required Courses:

|                                       |        |
|---------------------------------------|--------|
| ART 145 Drawing for Art Majors        | 3 crs. |
| ART 210 3D Design                     | 3 crs. |
| ART 245 Drawing II                    | 3 crs. |
| ART 280 Living with the Arts          | 3 crs. |
| ART 382 20th Century Arts and Culture | 3 crs. |
| ART 385(w) Art History I              | 3 crs. |
| ART 386(w) Art History II             | 3 crs. |
| ART XXX Studio Elective               | 3 crs. |

*The Art minor does NOT require an area of specialization.*

*Art majors must complete 19-21 credits beyond introductory courses listed above.*

Students who select studio specializations in Painting, Printmaking, Sculpture and/or Ceramics at CUA complete 6 credits of upper level courses in two disciplines and 9 credits of electives in addition to the specializations. Electives may be used to extend an area of specialization.

Students who select studio specializations in Photographic Imaging, Graphic Design, Digital Video Production or 3D Animation, complete 19-21 credits of coursework at nearby Washtenaw Community College (WCC). Coursework at WCC to be selected and approved in consultation with the student's art advisor.

#### The following courses are offered at Washtenaw Community College (WCC):

##### Graphic Design Specialization, 21 crs.

|                                                          |        |
|----------------------------------------------------------|--------|
| GDT 100 Typography                                       | 4 crs. |
| GDT 106 Illustrator Graphics                             | 3 crs. |
| GDT 107 InDesign                                         | 3 crs. |
| GDT 108 Photoshop Graphics                               | 3 crs. |
| GDT 220 Publication Design                               | 4 crs. |
| GDT 112 Principles and Problem-Solving in Graphic Design | 4 crs. |

##### Digital Video Production Specialization, 20 crs.

|                                         |        |
|-----------------------------------------|--------|
| VID 105 Foundations in Digital Video I  | 4 crs. |
| VID 125 Foundations in Digital Video II | 4 crs. |
| VID 203 Web Video                       | 3 crs. |
| VID 255 Green Screen I                  | 3 crs. |
| VID Documentary Video Production        | 3      |
|                                         | crs.   |
| VID 276 Video Graphics I                | 3 crs. |

**3D Animation Specialization, 19 crs.**

|                                                |        |
|------------------------------------------------|--------|
| ANI 145 Concept Development for Animation      | 2 crs. |
| ANI 150 3D Animation I: Modeling               | 4 crs. |
| ANI 230 Motion and Sound                       | 2 crs. |
| ANI 250 3D Animation II                        | 4 crs. |
| ANI 160 Fundamentals of Movement and Animation | 4 crs. |
| GDT 108 Photoshop Graphics                     | 3 crs. |

**Photographic Imaging Specialization, 21 crs.**

|                                         |        |
|-----------------------------------------|--------|
| PHO 110 Introduction to the Darkroom    | 1 crs. |
| PHO 117 Introduction to the Studio      | 4 crs. |
| PHO 122 Darkroom Techniques             | 4 crs. |
| PHO 1274 Digital Photo Imaging I        | 4 crs. |
| PHO 129 Black and White Digital Imaging | 4 crs. |
| PHO 228 Digital Photo Imaging II        | 4 crs. |

**ENGLISH**

Courses in English include the study of writing, language, and literature. Writing courses are designed to teach strategies for producing clear, effective, and expressive written communication. Study of the English language is designed to teach language principles and history in order to foster informed attitudes toward varieties of language and language change. Courses in literature are designed to teach methods of literary interpretation through the study of representative works.

**ENGLISH MAJOR, 39 crs.****Language Courses:**

|                                          |        |
|------------------------------------------|--------|
| ENG305 English Grammar and Usage         | 3 crs. |
| ENG365 English: Its Cultural Development | 3 crs. |

**Expression Courses:**

|                         |        |
|-------------------------|--------|
| ENG245 Advanced Writing | 3 crs. |
| <i>or</i>               |        |
| ENG246 Creative Writing | 3 crs. |

**American Literature Courses:**

|                               |        |
|-------------------------------|--------|
| ENG341 American Literature I  | 3 crs. |
| ENG342 American Literature II | 3 crs. |

**English Literature Courses:**

|                              |        |
|------------------------------|--------|
| ENG344 English Literature I  | 3 crs. |
| ENG345 English Literature II | 3 crs. |

**Other Required Courses:**

|                                           |        |
|-------------------------------------------|--------|
| ENG315 American Multicultural Literatures | 3 crs. |
| ENG465 Shakespeare                        | 3 crs. |
| ENG475 Literary Criticism                 | 3 crs. |
| ENG495 Senior Seminar                     | 3 crs. |

**Electives - Choose up to six (6) crs.**

**ENGLISH MINOR, 21 crs.****Language Courses:**

|                                          |        |
|------------------------------------------|--------|
| ENG305 English Grammar and Usage         | 3 crs. |
| <i>or</i>                                |        |
| ENG365 English: Its Cultural Development | 3 crs. |

**Expression Courses:**

|                         |        |
|-------------------------|--------|
| ENG245 Advanced Writing | 3 crs. |
| <i>or</i>               |        |
| ENG246 Creative Writing | 3 crs. |

**American Literature Courses:**

|                               |        |
|-------------------------------|--------|
| ENG341 American Literature I  | 3 crs. |
| <i>or</i>                     |        |
| ENG342 American Literature II | 3 crs. |

**English Literature Courses:**

|                              |        |
|------------------------------|--------|
| ENG344 English Literature I  | 3 crs. |
| <i>or</i>                    |        |
| ENG345 English Literature II | 3 crs. |

**Electives – Choose up to nine (9) crs.**

## HISTORY

History may be defined as the recorded expression of past human activity. It includes the record of the political, social, and economic aspects of a people, as well as their artistic products, intellectual activities, scientific progress, and religious beliefs. Courses in this area attempt to underline the broad scope of history in all activities of men and women.

While the History major includes only two required courses (HIST 385 Historical Methods and HIST 490 Senior Seminar) and the History minor only one (HIST 385 Historical Methods), students must select one of three emphases: U.S. History, European History, or Non-Western / Global History. Students, however, must take courses in all three areas. This ensures that though students choose a concentration, they are exposed to all areas of history. In addition, History majors and minors are required to take HIST 103 Civilization and Worldviews--History as part of the Common Core curriculum.

### HISTORY MAJOR, 36 crs.

#### Required Courses:

|                            |        |
|----------------------------|--------|
| U.S. History               | 6 crs. |
| European History           | 6 crs. |
| Non-Western/Global History | 6 crs. |
| HIST385 Historical Methods | 3 crs. |
| HIST 490 Senior Seminar    | 3 crs. |

#### AND (the student must choose one of the following)

##### I. Emphasis in American History

|                                        |        |
|----------------------------------------|--------|
| U.S. History                           | 9 crs. |
| European or Non-western/Global history | 3 crs. |

##### or II . Emphasis in European History

|                                    |        |
|------------------------------------|--------|
| European history                   | 9 crs. |
| U.S. or Non-western/Global history | 3 crs. |

##### or III . Emphasis in Global History

|                            |        |
|----------------------------|--------|
| Non-western/Global history | 9 crs. |
| U.S. or European history   | 3 crs. |

#### Courses to Satisfy Emphasis in American History

##### 3 crs. each

HIST 153 American Civilization  
 HIST 215 The Civil War  
 HIST 309 Early America, 1492—1800  
 HIST 351 Industrial America, 1861—1920  
 HIST 352 U.S. as a World Power, 1920—Present  
 HIST 363 Women in America  
 HIST 380 American Republic, 1788—1860  
 HIST 464 Topics in American History  
 HIST 466 The American Idea

#### Courses to Satisfy Emphasis in Global History

##### 3 crs. each

HIST 163 Non-Western World  
 HIST 221 The Ancient World  
 HIST 241 Introduction to Latin America  
 HIST 243 Modern Africa  
 HIST 246 History of Japan  
 HIST 250 Modern Middle East  
 HIST 284 Imperial China  
 HIST 285 Modern China  
 HIST 465 Topics in Global History

### HISTORY MINOR, 21 crs.

#### Required Core Courses:

|                            |        |
|----------------------------|--------|
| U.S. History               | 6 crs. |
| European History           | 6 crs. |
| Non-Western/Global History | 6 crs. |
| HIST385 Historical Methods | 3 crs. |

#### AND (the student must choose one of the following)

##### I. Emphasis in American History

|                                        |        |
|----------------------------------------|--------|
| U.S. History                           | 6 crs. |
| European or Non-western/Global history | 3 crs. |

##### or II . Emphasis in European History

|                                    |        |
|------------------------------------|--------|
| European history                   | 6 crs. |
| U.S. or Non-western/Global history | 3 crs. |

##### or III . Emphasis in Global History

|                            |        |
|----------------------------|--------|
| Non-western/Global history | 6 crs. |
| U.S. or European history   | 3 crs. |

#### Courses to Satisfy Emphasis in European History

##### 3 crs. each

HIST 208 History of Christianity  
 HIST 322 The Classical World  
 HIST 330 History of Modern Europe  
 HIST 356 The Middle Ages  
 HIST 358 Renaissance / Reformation Europe  
 HIST 360 Revolutionary Europe  
 HIST 420 National History  
 HIST 463 Topics in Western History  
 HIST 475 The Reformations

## MUSIC

The Music Department contributes to the spiritual, artistic, cultural, academic and co-curricular life aspects to campus life at the University. In doing so, the faculty is committed to blending talent and fellowship to the highest degrees of professional artistry in praise of the Lord's name. We additionally hope to impact our surrounding community while fulfilling our mission.

### AUDITION PROCEDURES FOR ALL MUSIC MAJORS

To gain degree-seeking status as a music major, a student must:

1. Successfully pass the following:
  - a. Qualifying audition with performance of two contrasting works on his/her principal instrument (to be completed at the end of two semesters of study);
  - b. For vocalists, aural examination of sight-reading, and tonal memory ability.
  - c. For instrumentalists, sight reading and scales.
2. Prepare a portfolio for musical activities (solo and ensemble) and examples of music course work. This portfolio is to be :
  - a. Presented at the time of the audition;
  - b. Returned to the student for additions to be made throughout the student's undergraduate career;
3. Transfer students will have their transcripts evaluated by the music faculty for determination of credited coursework and hours.
4. The deadline for auditioning is the end of the 2nd semester from the time of declaration. There are three possible results for an audition:
  - a. Active - This grants formal acceptance into upper division status.
  - b. Provisional - A repeat of the audition is requested by the Faculty at the end of the next semester to show more progress.
  - c. Fail - The student is not accepted as a music major.

### MUSIC MAJOR, 58 crs.

#### Required Courses:

|                                      |         |
|--------------------------------------|---------|
| MUS 181,182, 190, 193 Ensemble       | 4 crs.  |
| MUS 204 Keyboard Skills*             | 2 crs.  |
| MUS 205 Intro to Multimedia Product* | 2 crs.  |
| MUS 216 Vocal Arts Lab**             | 1 cr.   |
| MUS 240 Music Theory I               | 3 crs.  |
| MUS 241 Music Theory II              | 3 crs.  |
| MUS 242 Music Theory III             | 3 crs.  |
| MUS 243 Music Theory IV              | 3 crs.  |
| MUS 246 Aural Theory I               | 1 cr.   |
| MUS 247 Aural Theory II              | 1 cr.   |
| MUS 248 Aural Theory III             | 1 cr.   |
| MUS 250 Beginning Conducting         | 3 crs.  |
| MUS 251 Aural Theory IV              | 1 cr.   |
| MUS 271 Music History I              | 3 crs.  |
| MUS 272 Music History II             | 3 crs.  |
| MUS 340 World Music                  | 2 crs.  |
| MUS 351 Advanced Conducting          | 3 crs.  |
| MUS 445 Composing and Arranging      | 3 crs.  |
| MUS 499 Senior Recital               | 2 crs.  |
| Applied Music (studio) ***           | 14 crs. |

\* Music students must have four semesters of piano instruction or equivalent (piano instructor approval).

\*\* Voice Principals must take at least 2 semesters of MUS 216; this requirement may substitute for either MUS356, MUS357 or MUS358; MUS216 is not required for instrumental principals.

\*\*\* Students must participate in the ensemble of their principal instrument and take 2 credits of private instruction in their principal instrument for each semester on campus.

### MUSIC MINOR, 28 crs.

#### Required Courses:

|                                      |        |
|--------------------------------------|--------|
| MUS 181,182, 190, 193 Ensemble       | 4 crs  |
| MUS 205 Intro to Multimedia Product* | 2 crs  |
| MUS 216 Vocal Arts Lab*              | 1 cr.  |
| MUS 240 Music Theory I               | 3 crs. |
| MUS 241 Music Theory II              | 3 crs. |
| MUS 246 Aural Theory I               | 1 cr.  |
| MUS 247 Aural Theory II              | 1 cr.  |
| MUS 250 Beginning Conducting         | 3 crs. |
| MUS 340 World Music                  | 2 crs. |
| Applied Music (studio)               | 6 crs. |

#### Electives - Choose one (1) from the following:

|                          |        |
|--------------------------|--------|
| MUS 271 Music History I  | 3 crs. |
| MUS 272 Music History II | 3 crs. |

\* Voice Principals must take at least 2 semesters of MUS216. MUS216 is not required for instrumental principals.

\*\* Must pass Music Minor Piano Proficiency Exam—students with no piano experience are recommended to take 2 semesters of piano class (MUS203 and MUS206).

## PHILOSOPHY

Philosophy encourages clear and critical thinking, and a rational approach to problem-solving using conceptual analysis, dialogue, and argument. Due to the interdisciplinary character of philosophy, the minor is a valuable complement to most majors (in particular, Art, History, English, Natural Science, Theology, Psychology, Social Work). The emphasis on the careful statement and evaluation of arguments makes philosophy good preparation for those pursuing graduate and professional study, as well as for those entering careers in government, law, political advocacy, and journalism. Society needs individuals who are able to communicate clearly, to evaluate and construct arguments for or against a viewpoint, and to question received ideas.

### PHILOSOPHY MINOR, 24 crs.

#### Required Core Courses:

|                                          |        |
|------------------------------------------|--------|
| REL 201 The Old Testament                | 3 crs. |
| REL 204 Biblical Theology                | 3 crs. |
| Theology elective                        | 3 crs. |
| PHIL 101 Philosophy: Theory and Practice | 3 crs. |

#### Required Philosophy Minor Courses:

|                                      |        |
|--------------------------------------|--------|
| PHIL 201 Central Texts of Philosophy | 3 crs. |
| PHIL 250 Moral Philosophy (w)        | 3 crs. |
| REL 203 The New Testament            | 3 crs. |

#### Either

|                           |        |
|---------------------------|--------|
| PHIL 211 Elementary Logic | 3 crs. |
|---------------------------|--------|

or

|                                |        |
|--------------------------------|--------|
| PHIL 325 Christian Apologetics | 3 crs. |
|--------------------------------|--------|

#### Electives – Choose up to twelve (12) credits of the following:

|                            |               |
|----------------------------|---------------|
| Philosophy electives       | up to 12 crs. |
| ENG 475 Literary Criticism | 3 crs.        |
| SCI 275 Cosmogony          | 3 crs.        |

## SPANISH

Students take Spanish to emphasize the four skills of listening, speaking, reading and writing. Students can use the language skill to complement other areas of study. The Spanish minor is also a relevant complement to almost any other area of study such as medical programs, missions, theology, business and humanities.

### SPANISH MINOR, 24 crs.

*\*SPN 101 and 102 are taken as pre-requisites to the minor.*

*\*The first language course can be taken to meet the elective core language requirement. An additional language credit can be taken to meet the narrative core culture credit.*

The following courses (or approved equivalents), which represent 24 credits:

|                                             |        |
|---------------------------------------------|--------|
| SPAN 201 Intermediate Spanish I             | 3 crs. |
| SPAN 202 Intermediate Spanish II            | 3 crs. |
| SPAN 301 Spanish Conversation & Composition | 3 crs. |
| SPAN 307 Applied Linguistics                | 3 crs. |
| SPAN 331 Advanced Grammar and Composition   | 3 crs. |
| Electives: Choose 6 credits                 | 6 crs. |

*\*Students with a Spanish minor are strongly encouraged to study abroad. Most study abroad programs offer language courses that also meet general education requirements. The Spanish minor is not currently an approved teachable minor in the School of Education. However, this will hopefully be approved in the coming year. Consequently, any student who plans to teach Spanish*

is **required** to study abroad as well as take a Spanish teaching methods course as well as the state certification exam for Spanish.

### **Language Placement:**

CUAA does not currently use a placement test. When deciding which course should be their first Spanish course, students should use the following **GUIDE**:

- If you have NEVER taken Spanish - enroll in SPAN 101
- If you have had 1 year of high school Spanish, enroll in SPAN 102.
- If you had 2 years of high school Spanish, enroll in SPAN 201, or 102 if it has been a while.
- If you had 3 years of high school Spanish, enroll in SPAN 202, or 201 if it has been a while.
- If you had 4 years of high school Spanish, enroll in SPAN 301, or 202 if it has been a while.
- If you had 5 years of high school Spanish or AP Spanish, enroll in SPAN 301.

### **Retroactive Credits**

If a student's first foreign language course at CUAA is higher than 101, the student is eligible to earn retroactive credits for the lower-level courses--up to 14 retroactive credits--as long as the student earns at least a C in the first language course he or she takes at CUW.

If a student's first Spanish course at CUAA is...

- 102, he/she earns 4 retro credits (for SPAN 101) upon earning a final grade of at least a C.
- 201, he/she earns 8 retro credits (for SPAN 101 and SPAN 102) upon earning a final grade of at least a C.
- 202, he/she earns 11 retro credits (for SPAN 101, SPAN 102, and SPAN 201) upon earning a final grade of at least a C.
- 301, he/she earns 14 retro credits (for SPAN 101, SPAN 102, SPAN 201, and SPAN 202) upon earning a final grade of at least a C.

**Retroactive foreign language credits CAN be used to fulfill the culture requirement. By taking SPAN 102 or higher you can fulfill TWO CORE REQUIREMENTS for the work and price of one.**

### **Getting Retroactive Credits Added to Your Transcript:**

If a student is eligible for retroactive foreign language credits (see above), they must actually fill out a form in the Registrar's office in order for the credits to appear on the student's transcript. Since eligibility for retroactive credits depends on earning at least a C for the final course grade, **a student cannot complete the form for the retro credits until grades for that semester have posted.**

## **MATHEMATICS AND COMPUTER SCIENCE**

### **COMPUTER SCIENCE**

The BS degree program in Computer Science is designed for students who want to create software and design computer systems. Students interested in programming or working for software development firms should pursue this degree. This program provides students with a deep understanding of creating algorithms, programming, and heuristic problem solving. This program prepares students for vocations in high-tech and computer firms such as software engineer, network developer, database administrator, application developer, computer scientist, researcher, and graduate student. The BS in CS is also suitable for students who want to design and create systems for businesses that are not "computer specific," such as financial, healthcare, manufacturing, service and retail. This program prepares students for vocations such as programmer/analyst, software engineer, network administrator, systems analyst, software quality engineer, web developer, and information specialist. The CS major is the option chosen by most students who want to become professional software developers. The

CS major also prepares students for the study of computer science at the graduate level. The computer science student should begin the Computer Science major program with a strong high school background in Mathematics, Science, and English.

### COMPUTER SCIENCE MAJOR, 39 crs.

#### Required Courses:

CSC 150 Foundations of Computer Science  
 CSC 250 Computer Science Theory and Practice I  
 CSC 300 Computer Science Theory and Practice II  
 CSC 310 Web-Based Software Development  
 CSC 325 Computer Organization and Architecture I  
 CSC 350 Computer Operating Systems  
 CSC 360 Data Structures & Algorithms  
 CSC 370 Software Engineering  
 CSC 426 Data Security  
 CSC 430 Database Systems  
 CSC 440 Networking  
 CSC 470 Programming Languages  
 CSC 480 Topics in Computer Science

#### Core Curriculum Requirements:

Any calculus course is required for mathematics  
 Any 4-credit physical science (chemistry or physics) course is required for lab science  
 Professional Core: 6 credits  
 MATH 205 Statistics I  
 MATH 220 Discrete Mathematics

Free Electives, after additional core fulfilled: 33 credits

Program total (minimum) for BS degree: 126 credits

## MATHEMATICS

Mathematics is an aspect of our everyday lives and an important part of our culture. Applications of mathematics are found in many disciplines today, including the physical sciences, biological sciences, business, economics, computer science and psychology.

### MATHEMATICS MAJOR, 42 crs.

#### Required Courses:

|                                            |        |
|--------------------------------------------|--------|
| CSC 250 Computer Science Theory/Practice I | 3 crs. |
| MATH 201 Calculus I                        | 4 crs. |
| MATH 202 Calculus II                       | 4 crs. |
| MATH 203 Calculus III                      | 4 crs. |
| MATH 205 Statistics I*                     | 3 crs. |
| MATH 220 Discrete Mathematics              | 3 crs. |
| MATH 231 Linear Algebra                    | 3 crs. |
| MATH 321 Abstract Algebra                  | 3 crs. |
| MATH 331 Geometry                          | 3 crs. |
| MATH 341 Differential Equations            | 3 crs. |
| MATH 441 Real Analysis                     | 3 crs. |
| MATH 461 Probability & Statistics          | 3 crs. |
| MATH 490 Senior Seminar                    | 3 crs. |

\* Statistics I satisfies the mathematics requirement in the core.

### COMPUTER SCIENCE MINOR, 24 crs.

#### Required Courses:

CSC 150 Foundations of Computer Science  
 CSC 250 Computer Science Theory and Practice I  
 CSC 300 Computer Science Theory and Practice II  
 CSC 310 Web-Based Software Development  
 CSC 325 Computer Organization and Architecture I  
 CSC 360 Data Structures & Algorithms

*Electives: 6 credits*

#### Two courses chosen from:

MATH 220 Discrete Mathematics  
 CSC 350 Computer Operating Systems  
 CSC 370 Software Engineering  
 CSC 426 Data Security  
 CSC 430 Database Systems  
 CSC 440 Networking  
 CSC 470 Programming Languages  
 CSC 480 Topics in Computer Science

### MATHEMATICS MINOR, 24 crs.

#### Required Courses:

|                                            |        |
|--------------------------------------------|--------|
| CSC 250 Computer Science Theory/Practice I | 3 crs. |
| MATH 201 Calculus I                        | 4 crs. |
| MATH 202 Calculus II                       | 4 crs. |
| MATH 203 Calculus III                      | 4 crs. |
| MATH 205 Statistics I*                     | 3 crs. |

*Electives – Choose up to six (6) crs. from the following:*

|                                   |        |
|-----------------------------------|--------|
| MATH 220 Discrete Mathematics     | 3 crs. |
| MATH 231 Linear Algebra           | 3 crs. |
| MATH 321 Abstract Algebra         | 3 crs. |
| MATH 331 Geometry                 | 3 crs. |
| MATH 341 Differential Equations   | 3 crs. |
| MATH 441 Real Analysis            | 3 crs. |
| MATH 461 Probability & Statistics | 3 crs. |



## NATURAL SCIENCE AND HEALTH PROFESSIONS

### PRE-PROFESSIONAL STUDIES

Many Biology majors apply to professional schools in various healthcare fields including medical, dental, physical therapy, physician assistant, pharmacy, occupational therapy, etc. Admission into these programs is competitive and is dependent upon entrance exam scores, GPA, shadowing hours, a personal, interview, and letters of recommendations. Pre-healthcare students should communicate with their academic advisor early in their college career so that all prerequisites can be met for professional school admission requirements.

Concordia University students receive admission advantages as defined below to the following Concordia University professional schools:

#### PHARMACY

In order to guarantee consideration for an interview, an applicant must meet all the following criteria:

- a minimum 2.75 cumulative GPA
- a composite PCAT score of 35 or greater
- a grade of C or better in all pharmacy prerequisite coursework

#### PHYSICAL THERAPY

Concordia University Wisconsin guarantees that we will hold all admission slots for the DPT program for CU students who meet certain requirements. Priority admission will be granted to CU students who, at the time of submitting the application: are not missing more than one prerequisite science course, have a grade point average of at least 3.45 in prerequisite science courses, submit all applications materials by the priority deadline for “Early Decision,” and successfully complete a personal interview. All prerequisite science courses must be completed at CU or through AP exam, and cannot have been previously completed at another institution. If a prerequisite science course is repeated, the first, original grade will be considered when determining whether or not the student is eligible for priority admission. CU students who meet these requirements are not required to take the GRE. To qualify for the priority admission, students must apply to CUW using the “Early Decision” option in PTCAS. Students from CU who do not apply for “Early Decision” will not be granted priority admission, will have to take the GRE, and will have their applications considered with all applicants to the program in that year.

#### PHYSICIAN ASSISTANT

A current, full time student from CU who will graduate with a bachelor’s degree from CU will be guaranteed an interview for the PA program if he or she meets certain requirements. Guaranteed interviews will be extended to students who have completed their PA application by the deadline, have a cumulative grade point average of at least 3.40, and a cumulative prerequisite science grade point average of at least 3.40. CU alumni will be guaranteed an interview if they achieved a cumulative grade point average of at least 3.40, and a cumulative prerequisite science grade point average of at least 3.40 while attending CU.

## ATHLETIC TRAINING

### ATHLETIC TRAINING MAJOR, 83 CRS.

The Athletic Training Program at Concordia University Ann Arbor prepares undergraduate students for the National Athletic Training Association Board of Certification Examination. Upon graduation and passing the board examination, students will be qualified to work in medical clinics, physician extenders, hospitals, industrial/occupational settings, corporate setting, colleges or universities, secondary schools, school districts, professional sports, performing arts, military and law enforcement, and health/fitness clubs.

Students will gain experience under the direct supervision of a Certified Athletic Trainer in the areas of injury/illness prevention and wellness protection, clinical evaluation and diagnosis, immediate and emergency care, treatment and rehabilitation and organizational professional health and well-being.

#### Required Core

##### Courses:

MATH205

Statistics I 3 crs.

#### Required Courses:

| Course Number | Course Title                                       | Credits |
|---------------|----------------------------------------------------|---------|
| HHP 120       | Weight Training                                    | 1       |
| HHP 130       | Advanced Weight Training                           | 2       |
| HHP 163       | Freshmen Fast Track I – Not Required               | 2       |
| HHP 164       | Freshman Fast Track II – Not Required              | 0 or 1  |
| BIO 181       | Functional Anatomy & Physiology I                  | 4       |
| BIO 182       | Functional Anatomy & Physiology II                 | 4       |
| HHP 205       | First Aid & Emergency Procedures                   | 3       |
| HHP 272/273   | Introduction to Athletic Training / Lab            | 3       |
| HHP 280       | Psychology of Sport                                | 3       |
| BIO 285       | Pathophysiology                                    | 3       |
| HHP 289       | Athletic Training Seminar                          | 1       |
| HHP 291       | Athletic Training Practicum I                      | 3       |
| HHP 292       | Athletic Training Practicum II                     | 3       |
| HHP 301/302   | Rehabilitation Techniques of Athletic Injuries     | 4       |
| HHP 303/304   | Therapeutic Modalities / Lab                       | 3       |
| RT 312        | Medical Terminology                                | 1       |
| HHP 312       | Administration & Organization of Athletic Training | 3       |
| HHP 330       | Manual Muscle Testing                              | 2       |
| HHP 342       | Nutrition for Wellness & Performance               | 3       |
| HHP 348       | Palpatory Anatomy of the Human Body                | 2       |
| HHP 371       | Exercise Physiology                                | 3       |
| HHP 372/374   | Recognition & Evaluation of Athletic Injuries I    | 4       |
| HHP 375       | Biomechanics                                       | 3       |
| HHP 376/378   | Recognition & Evaluation of Athletic Injuries II   | 3       |
| HHP 391       | Athletic Training Practicum III                    | 3       |
| HHP 392       | Athletic Training Practicum IV                     | 3       |
| HHP 403       | Advanced Injury Management                         | 2       |
| HHP 408       | Pharmacology & Ergogenic Aids                      | 3       |
| HHP 491       | Athletic Training Practicum V                      | 4       |
| HHP 492       | Athletic Training Practicum VI                     | 4       |
| HHP 493       | Senior Seminar                                     | 3       |

## BIOLOGY

The Biology Major provides a comprehensive education in the natural sciences. Students not only learn the facts, concepts and principles of biology, they also learn the process of science and the skills necessary to engage in it. Contemporary, technological and societal issues in biology are studied and evaluated in the context of a Christian worldview. The major includes all of the necessary supporting science coursework required for any biology-related career. Instructional strategies emphasize laboratory experiences that engage students in data collection, analysis, and the communication of scientific information. The Biology Major provides a strong background for graduate study, biology related careers, or meeting professional school prerequisites.

A biology minor is offered to those students who want a more detailed knowledge of living organisms/systems and how they affect the world in which we live.

### BIOLOGY MAJOR, 63 crs.

#### Required Core Courses:

|                             |        |
|-----------------------------|--------|
| CHEM141 General Chemistry I | 4 crs. |
| MATH205 Statistics I        | 3 crs. |
| SCI275 Cosmogony            | 3 crs. |

#### Required Biology Major Courses:

|                                               |        |
|-----------------------------------------------|--------|
| BIO181 Functional Anatomy & Physiology I      | 4 crs. |
| BIO240 Zoology                                | 4 crs. |
| BIO244 Botany                                 | 4 crs. |
| BIO260 Microbiology                           | 4 crs. |
| BIO348 Genetics                               | 4 crs. |
| BIO490 Senior Seminar<br>(1 cr. per semester) | 2 crs. |
| CHEM141 General Chemistry I                   | 4 crs. |
| CHEM142 General Chemistry II                  | 4 crs. |
| CHEM241 Organic Chemistry I                   | 4 crs. |
| CHEM242 Organic Chemistry II                  | 4 crs. |
| PHYS151 General Physics I                     | 4 crs. |
| PHYS152 General Physics II                    | 4 crs. |
| SCI250 Nature of Science                      | 3 crs. |

#### Recommended Courses:

|                           |        |
|---------------------------|--------|
| PSY101 General Psychology | 3 crs. |
|---------------------------|--------|

**Electives** - Choose a minimum of fourteen (14) crs. from the following:

|                                           |        |
|-------------------------------------------|--------|
| BIO182 Functional Anatomy & Physiology II | 4 crs. |
| BIO156 Environmental Science              | 4 crs. |
| BIO285 Pathophysiology                    | 3 crs. |
| BIO321 Cell Biology                       | 4 crs. |
| BIO351 Immunology                         | 3 crs. |
| BIO367 Ecology of Tropics                 | 3 crs. |
| BIO410 Ecology                            | 4 crs. |
| BIO/CHEM425 Biochemistry                  | 4 crs. |
| BIO430 Pharmacology                       | 3 crs. |

### BIOLOGY MINOR, 24 crs.

#### Required Core Courses:

|                                                      |        |
|------------------------------------------------------|--------|
| CHEM105 Elements of General and Biological Chemistry | 4 crs. |
|------------------------------------------------------|--------|

#### Required Biology Minor Courses:

|                                           |        |
|-------------------------------------------|--------|
| BIO181 Functional Anatomy & Physiology I  | 4 crs. |
| BIO182 Functional Anatomy & Physiology II | 4 crs. |
| BIO240 Zoology                            | 4 crs. |
| BIO244 Botany                             | 4 crs. |
| BIO156 Environmental Science              | 4 crs. |
| <i>or</i>                                 |        |
| BIO410 Ecology                            | 4 crs. |
| BIO348 Genetics                           | 4 crs. |

## CHEMISTRY

A chemistry minor is offered to students in a secondary education curriculum, but may be of interest to other students who desire a more in-depth understanding of the importance of chemistry in today's technological world. Students are expected to have a mastery of the concepts covered in MATH 121. The chemistry minor must take the following:

### CHEMISTRY MINOR, 24 crs.

#### Required Courses:

|                                            |        |
|--------------------------------------------|--------|
| CHEM141 General Chemistry I                | 4 crs. |
| CHEM142 General Chemistry II               | 4 crs. |
| CHEM241 Organic Chemistry I                | 4 crs. |
| CHEM242 Organic Chemistry II               | 4 crs. |
| CHEM225 Analytical Chemistry               | 4 crs. |
| CHEM105 Elements of General & Biochemistry | 4 crs. |
| <i>or</i>                                  |        |
| CHEM425 Biochemistry                       | 4 crs. |

## DIAGNOSTIC MEDICAL SONOGRAPHY (ULTRASOUND)

### Program Overview

Students in this program study two years of liberal arts core on campus before continuing in their professional training. The professional component is conducted during the second two years at an area hospital that is an accredited program. Students graduate with a Bachelor of Science degree from Concordia University and they are qualified to take National Medical Diagnostic Sonography exams. Students receive a strong liberal arts education in a Christian setting. They obtain the necessary preparation for their career through professional experience in a hospital setting. Students who graduate with a BS in Diagnostic Medical Sonography have an opportunity to specialize in obstetric and gynecologic sonography, abdominal sonography, neurosonography, breast sonography, vascular technology or echocardiography.

### Professional Assignments

The Sonography program is very competitive and not all students are placed at a professional site. Placement of professional sites is not guaranteed and college GPA is a major determinant. It is required that Sonography students maintain a 3.0 GPA to be considered for the professional placement that occurs during the second 2 years of the program. The professional component is 18-24 consecutive months at the hospital. Students must complete a Certified Nursing Assistant (CNA) program before submitting clinical applications. Students are encouraged to shadow a sonography department and work at least 100 hours as a CNA to increase the possibility of clinical placement.

### Admission Requirement

Diagnostic Medical Sonography students are accepted at CU under the general admissions requirement. It is recommended that students complete anatomy & physiology, physics, and biology in high school to better prepare them for this major.

### Pre-Clinical Requirements

Diagnostic Medical Sonography students complete the general CU core courses. In addition, students are required to take: 1 year of anatomy & physiology, 1 year of biology, 1 year of physics, medical terminology and pathophysiology. Students must maintain a 3.0 GPA in pre professional courses and acceptance into the professional phase is not guaranteed. Students are strongly encouraged to maintain a 3.0 GPA in the following coursework: Anatomy & Physiology, Physics, Pathophysiology, Math, Med Terms, Communication and Political Science.

### Professional Curriculum Location

Henry Ford Hospital  
Detroit, MI

**SONOGRAPHY MAJOR, 132.5 crs.*****CUAA Curriculum***

**Completion of the entire University Core is required. The following courses are required within the Core.**

**Required Core Courses****Common Core:**

Bible Content: REL100 The Bible  
 Christian Doctrine: REL110 Christi Faith  
 History: HIST103 History  
 Literature: ENG103 Literature  
 Writing: ENG104 Introduction to Writing

**Narrative Core:**

Citizenship: POLS285 Amer. Pol. & Hlth Care Policy  
 University Experience: LA103 College, Career, & Calling

**Elective Core:**

Mathematics: MATH128 College Algebra  
     1 Additional MATH above MATH128  
 Physical Development: HHP100 Intro to Lifetime Fitness

Science: BIO181 Functional Anatomy & Physiology I  
 Social Science: PSY101 Introduction to Psychology

**Additional Requirements**

BIO182 Functional Anatomy & Physiology II  
 RT312 Medical Terminology  
 BIO100 Principles of Biology  
 BIOxxx Biology elective  
 PHYS151 General Physics I  
 PHYS152 General Physics II  
 BIO285 Pathophysiology

***Professional Curriculum*****Semester I**

Academic and Clinical Orientation  
 Ultrasound Knobology  
 Basic Abdominal Sonography  
 Basic Gynecological Sonography  
 Basic Obstetrical Sonography

**Semester II**

Ultrasound Principles and Instrumentation  
 Ultrasound Knobology II  
 Advanced Obstetrical Sonography  
 Superficial Parts Sonography: Breast, Scrotum,  
 Neck, Prostate  
 Student Case

**Semester III**

Ultrasound Principles and Instrumentation  
 Physics: Ultrasound Knobology III-Doppler  
 Advanced Obstetrical Sonography  
 Advanced Abdominal Sonography  
 Student Cases

**Semester IV**

Vascular Sonography  
 Advanced Gynecological Sonography  
 Introduction to Musculoskeletal Sonography  
 Introduction to Transcranial Doppler  
 Principles of Instrumentation

**Semester V**

Neonatal Neurosonology  
 Student Project  
 Student Cases  
 Introduction to Adult Echocardiography  
 Review Classes

**EXERCISE SCIENCE**

The mission of the Exercise Science Major is to promote physical activity and exercise as a means to attain and maintain health, physical fitness, and quality of life. Exercise science consists of several overlapping disciplines and courses of study that provide an understanding of the anatomy and physiology of the human body, how exercise impacts the body, and how to use this knowledge to improve human performance and promote a healthy lifestyle. Professors combine classroom instruction, the latest research, laboratory experiences and field work opportunities to provide an effective blend of educational experiences. Students graduating with a Bachelor of Arts degree in exercise science are prepared for entry-level positions like exercise/fitness specialist, group fitness instructor, personal trainer, work in corporate fitness programs and health clubs, or as a strength and conditioning coach in high schools, colleges, and professional sport teams.

**EXERCISE SCIENCE MAJOR, 63-66 crs.****Required Core Courses:**

|                                |       |
|--------------------------------|-------|
| PHYS 121 Principles of Physics | 4 crs |
| MATH 205 Statistics I          | 3 crs |

**Required Courses**

| Course Number | Course Title                                | Credits |
|---------------|---------------------------------------------|---------|
| HHP 120       | Weight Training                             | 1       |
| HHP 130       | Advanced Weight Training                    | 2       |
| BIO 181       | Functional Anatomy & Physiology I           | 4       |
| BIO 182       | Functional Anatomy & Physiology II          | 4       |
| HHP202        | Introduction to Kinesiology                 | 3       |
| HHP 205       | First Aid & Emergency Procedures            | 3       |
| HHP 272/273   | Introduction to Athletic Training           | 3       |
| HHP 280       | Sport Psychology                            | 3       |
| HHP 265       | Healthy Lifestyles                          | 3       |
| RT 312        | Medical Terminology                         | 1       |
| HHP 342       | Nutrition For Wellness & Performance        | 3       |
| HHP 371       | Exercise Physiology                         | 3       |
| HHP 373       | Motor Development                           | 3       |
| HHP 375       | Biomechanics                                | 3       |
| EXS 442       | Exercise Prescription & Testing             | 4       |
| HHP 410       | Measurement & Evaluation in Health & PE     | 3       |
| HHP 475       | Seminar in Exercise Science                 | 2       |
| HHP 460       | Internship in Exercise Science              | 3-6     |
| EXS 480       | Program Design & Application                | 3       |
| EXS 494       | Exercise Management for Special Populations | 3       |
| HHP 495       | Senior Seminar in Exercise Science          | 3       |
| EXS 495       | Seminar: Current Issues in Exercise Science | 3       |

**Recommended Courses**

|          |                                        |   |
|----------|----------------------------------------|---|
| HHP 275  | Administration & Organization of Sport | 3 |
| ENTR 262 | Planning New Ventures                  | 3 |
| HHP 350  | Coaching Methods                       | 3 |

## NURSING (RN – BSN COMPLETION PROGRAM)

Registered nurses who have graduated from an ADN or Diploma nursing program will find Concordia's BSN Completion Program a flexible means of furthering their nursing education. Coursework is completed in an accelerated learning format on campus or online. Completion program candidates can obtain their BSN degree in approximately (2) two calendar years. Concordia University's Nursing Completion Program is accredited by the Commission on Collegiate Nursing Education.

Upon completion of this program, the graduate with a major in nursing will be able to:

1. Apply liberal education and scientific background information into practice
2. Apply organizational and leadership principles in practice to improve quality and patient safety
3. Translate scholarship into practice
4. Utilize informatics and health care technologies to improve patient care
5. Demonstrate knowledge of healthcare policy and advocate for quality health care for all citizens
6. Communicate and collaborate in an interprofessional health care environment to improve patient and population health outcomes.
7. Utilize knowledge of clinical prevention and population health at the individual and group/aggregate/population level.
8. Advance professionalism and professional values
9. Perform at the highest level nursing practice reflective of the educational preparation

### RN – BSN COMPLETION PROGRAM, 70 crs.

#### Liberal Arts Core

Many of the basic liberal arts courses may be accepted as transfer credits from accredited associate degree or diploma nursing programs:

Theology (6 credits, must be completed at Concordia)

Ethics (3 credits)

Humanities (6 credits)

- NURS 331: Nursing in Historical Context
- One additional 3 credit course

Cross Cultural (3 credits)

Social Science (6 credits)

Natural Science-Chemistry (at least 3 credits, must contain a lab component)

- Credit for this course can be earned by passing the NLN Basic Science Achievement Test or CLEP Exam

Communications (3 credits)

Mathematics-Statistics (3 credits)

#### Collateral Requirement

The following collateral courses will be accepted as transfer credits from accredited associate degree or diploma nursing programs:

- Life Span Development
- Microbiology
- Anatomy & Physiology I and II

#### Nursing Major Required Courses:

*Most nursing courses from accredited associate or diploma nursing programs may be accepted as transfer credits. All Nursing Completion students will receive an individual evaluation of transfer credits upon acceptance.*

NURS 301 Dimensions of Professional Nursing

NURS 331 Nursing in Historical Context

*(taken as part of liberal arts core classes)*

NURS 335 Introduction to Nursing Research

NURS 342 Community Wellness

NURS 442 Complex Nursing Systems

NURS 492 Contemporary Nursing Seminar

#### Electives, 10 crs.

## PHYSICAL SCIENCE

The Physical Science Minor is highly recommended as a complement for students seeking a Biology Major in Secondary Education and other educational majors or for liberal arts students with an interest in physical science related careers.

### PHYSICAL SCIENCE MINOR, 26 crs.

#### Required Courses:

|                               |        |
|-------------------------------|--------|
| SCI 250 Nature of Science (w) | 3 crs. |
| CHEM 141 General Chemistry I  | 4 crs. |
| CHEM 142 General Chemistry II | 4 crs. |
| PHYS 151 General Physics I    | 4 crs. |
| PHYS 152 General Physics II   | 4 crs. |

*Choose one (1) of the following courses:*

|                                       |        |
|---------------------------------------|--------|
| CHEM 105 Elements of Gen & Bio. Chem. | 4 crs. |
| CHEM 241 Organic Chemistry I          | 4 crs. |

*Choose one (1) of the following courses:*

|                                       |        |
|---------------------------------------|--------|
| SCI 235 Earth Science                 | 4 crs. |
| SCI 215 Atmospheric and Space Science | 4 crs. |
| BIO 156 Environmental Science         | 4 crs. |

## PHYSICS

The Physics Minor is a collaborative effort between Concordia and Eastern Michigan University that prepares secondary education students to teach high school physics. Students enrolled in Concordia's Teacher Education Program will be able to take physics courses at EMU and receive a Physics (DE) endorsement on their teaching certificates upon completion of the prescribed program. This minor may be combined with a Mathematics Major. For more information, contact faculty members of the Mathematics or Physics departments.

### PHYSICS MINOR, 39 crs.

#### Concordia University Required Courses:

|                                         |        |
|-----------------------------------------|--------|
| MATH 201 Calculus I                     | 4 crs. |
| MATH 202 Calculus II                    | 4 crs. |
| MATH 203 Calculus III                   | 4 crs. |
| MATH 231 Linear Algebra                 | 3 crs. |
| MATH 341 Differential Equations         | 3 crs. |
| PHYS 223 Mechanics, Sound & Heat        | 5 crs. |
| PHYS 224 Electricity, Magnetism & Light | 5 crs. |

#### Eastern Michigan University Required Courses:

|                                        |        |
|----------------------------------------|--------|
| PHY 330 Intermediate Mechanics I       | 3 crs. |
| PHY 360 Heat and Thermodynamics        | 4 crs. |
| PHY 370 Introduction to Modern Physics | 3 crs. |
| PHY 372 Modern Physics Laboratory      | 1 cr.  |

*The grades and credits for these courses will be transferred to Concordia University and be included in Concordia GPA calculations. Students must earn a minimum GPA of 2.0 in Physics courses taken at EMU. Students must also satisfy the requirements for the Physics (DE) endorsement as prescribed by Eastern Michigan University and the State of Michigan.*

## RADIOLOGIC TECHNOLOGY

### Program Overview

The registered radiologic technologist (radiographer) utilizes knowledge of human anatomy and disease, mathematics, physics and operation of radiation-producing equipment for diagnostic purposes. Radiologic technologists may be employed in various health care settings, i.e. hospitals or clinics, industry, business, research, administration or education. The major is intended to be a four-year course of study leading to a Bachelor of Science degree. The program is jointly sponsored and is structured such that core required of the university and pre-clinical components are conducted by Concordia University during the first 2 years, while clinical components are conducted at Joint Review Commission on Education in Radiologic Technology accredited programs for the second 2 years. Successful completion of competency requirements within the clinical program must be achieved prior to graduation.



### **Professional Assignments**

Students should be aware that the program requires clinical coursework off-CU campus for a period of 24 months. Clinical coursework is usually 8 hours per day and can range from a minimum of 24 to a maximum of 40 hours a week. Clinical rotations are not limited to one site. Vacation periods are scheduled intermittently during the year by the clinical faculty.

### **Admission Requirements**

Applicants to the Radiologic Technology Program are expected to fulfill the University admission requirements. In addition, two years of high school math and one year of high school physics are recommended. Acceptance is not automatic and is based on successful completion of all pre-professional coursework with a minimum cumulative GPA of 2.5. Admission to the Radiologic Technology Program is limited. GPA in science courses should be 2.5. Students must apply for clinical admission by the end of the first semester of their sophomore year. Applications for admission to the program are available through the program director.

### **Pre-Clinical Requirements**

Radiologic Technology students complete the general CU core courses. In addition, students are required to take: 1 year of anatomy & physiology, medical terminology, sociology, and computer science. Students must maintain a 2.5 GPA in pre professional courses and acceptance into the professional phase is not guaranteed. In addition, each student must complete shadowing hours of a radiologic technologist.

### **Professional Curriculum Location**

St John Hospital and Medical Center, Detroit, MI  
 Providence Hospital, Southfield, MI  
 Sinai-Grace Hospital, Detroit, MI

## **RADIOLOGIC TECHNOLOGY MAJOR, 70 crs. + professional curriculum**

### ***CUAA Curriculum***

**Completion of the entire University Core is required. The following courses are required within the Core.**

#### **Common Core:**

|                                          |        |
|------------------------------------------|--------|
| Bible Content: REL100 The Bible          | 3 crs. |
| Christian Doctrine: REL110 Christi Faith | 3 crs. |
| History: HIST103 History                 | 3 crs. |
| Literature: ENG103 Literature            | 3 crs. |
| Writing: ENG104 Introduction to Writing  | 3 crs. |

#### **Narrative Core:**

|                                                             |        |
|-------------------------------------------------------------|--------|
| Communications: COMM105 Public Speaking                     | 3 crs. |
| The University Experience: LA103 College, Career, & Calling | 3 crs. |

#### **Elective Core:**

|                                                        |        |
|--------------------------------------------------------|--------|
| Mathematics: MATH128 College Algebra                   | 3 crs. |
| Physical Development: HHP100 Intro to Lifetime Fitness | 3 crs. |
| Science: BIO100 Principles of Biology                  | 4 crs. |
| Social Science: PSY101 Introduction to Psychology      | 3 crs. |

#### **Additional Requirements**

|                                           |        |
|-------------------------------------------|--------|
| BIO181 Functional Anatomy & Physiology I  | 4 crs. |
| BIO182 Functional Anatomy & Physiology II | 4 crs. |
| RT312 Medical Terminology                 | 1 cr   |
| BIOxxx Biology elective                   | 4 crs. |
| SOC101 Introduction to Sociology          | 3 crs. |
| CSC150 Foundations of Computer Science    | 3 crs. |

**PROFESSIONAL CURRICULUM****Providence Clinical Curriculum****Semester I**

Positioning I  
 Anatomy I  
 Medical Terminology  
 Introduction to Radiography  
 Techniques  
 Critical Thinking & Interpersonal Class  
 Clinicals

**Semester II**

Positioning II  
 Physics I  
 Anatomy II  
 Patient Care I  
 Positioning II  
 Introduction to IVPs  
 Clinicals

**Semester III**

Positioning III  
 Physics II  
 Anatomy III  
 Patient Care II  
 Positioning III  
 X-ray Equipment  
 Clinicals

**Semester IV**

Positioning IV  
 Physics III  
 Anatomy IV  
 Ethics  
 Introduction to Bone Densitometry  
 Clinicals

**Semester V**

Positioning V  
 Imaging I  
 Anatomy V  
 Physics IV  
 Clinicals

**Semester VI**

Positioning IV  
 Imaging II  
 Anatomy VI  
 X-sectional Anatomy VI  
 Quality Assurance  
 Mammography  
 Clinicals

**Semester VII**

Positioning VII  
 Imaging III  
 Imaging IV

Quality Assurance  
 Radiation Protection  
 Venipuncture  
 Imaging IV  
 Radiographic Pathology  
 Mock Exams  
 Clinicals

**Semester VIII**

Positioning VIII  
 CR and Digital Imaging  
 Radiographic Pathology  
 Radiation Biology  
 Mock Exams  
 Clinicals

**St. John Hospital & Medical Center Clinical Curriculum****Semester I**

Anatomy & Physiology I  
 Medical Terminology  
 Radiographic Procedures I  
 Radiographic Principles I  
 Patient Care  
 Intro to Radiography  
 Clinical I

**Semester II**

Anatomy & Physiology II  
 Physics  
 Radiographic Principles II  
 Radiographic Procedures II  
 Rad. Image Evaluation I  
 Clinical II

**Semester III**

Anatomy & Physiology III  
 Procedures III  
 Rad. Image Evaluation II  
 Medical Law & Ethics  
 Clinical III

**Semester IV**

Clinical IV

**Semester V**

Professionalism  
 Anatomy & Physiology IV  
 Radiographic Procedures IV  
 Rad. Image Evaluation III  
 Radiation Protection  
 Clinical V

**Semester VI**

Basic Principles of CT & Cross-sectional Anatomy  
 Radiographic Procedures V  
 Radiologic Pathology  
 Dig. Image Acq & Display  
 Clinical VI

**Semester VII**

Trauma Radiography  
 Radiation Biology  
 Rad. Image Evaluation IV  
 Patient Care II  
 Clinical VII

**Semester VIII**

Registry Review  
 Clinical VIII

**Sinai Grace Hospital Clinical Curriculum****Semester I**

Intro to Radiography  
 Medical Terminology  
 Radiographic Procedures I  
 Anatomy & Physiology/Image Evaluation I  
 Patient Care I  
 Professional in Healthcare  
 Clinical I

**Semester II**

Medical Ethics  
 Radiation Exposure I  
 Radiographic Procedures II  
 Anatomy & Physiology/Image Evaluation II  
 Patient Care II  
 Physics I/X-ray Production  
 Clinical II

**Semester III**

Intro to Pathology  
 Radiographic Procedures III  
 Anatomy & Physiology/Image Evaluation III  
 Physics II  
 Radiation Exposure II  
 Clinical III

**Semester IV**

Pathology II  
 Radiographic Procedures IV  
 Anatomy & Physiology/Image Evaluation III  
 Radiation Protection/Radiobiology  
 Clinical IV

**Semester V**

Physics III  
 Radiographic Procedures IV  
 Advanced Image Evaluation  
 Digital Imaging  
 Cross-sectional Anatomy

**Semester VI**

Physics IV  
 Selected Topics  
 Registry Review  
 Advance Radiology Procedures  
 Clinical VI

**RELIGION****CHRISTIAN THOUGHT**

The Christian Thought program forms a student's mind to grasp Christian truth as its claims are understood within biblical, historical and philosophical contexts. Students gain skills in analyzing contemporary manifestations of Christianity and learn to defend the faith against contemporary errors.

**CHRISTIAN THOUGHT MAJOR, 33 crs.****Required Core Courses:**

|                           |        |
|---------------------------|--------|
| REL 201 Old Testament     | 3 crs. |
| REL 204 Biblical Theology | 3 crs. |
| REL XXX Theology Elective | 3 crs. |

**Recommended course:**

A course in historical theology  
*or*  
 REL 333 A Survey of Christian Thought

**Required Christian Thought Major Courses:**

|                                  |        |
|----------------------------------|--------|
| HIST 208 History of Christianity | 3 crs. |
| HIST 475 The Reformations        | 3 crs. |
| PHIL 334 Christ and Culture      | 3 crs. |
| PHIL 325 Christian Apologetics   | 3 crs. |

**CHRISTIAN THOUGHT MINOR, 21 crs.****Required Core Courses:**

|                           |        |
|---------------------------|--------|
| REL 201 Old Testament     | 3 crs. |
| REL 204 Biblical Theology | 3 crs. |
| REL XXX Theology Elective | 3 crs. |

(Strongly recommended for the theology elective: a course in historical theology, such as REL 333, A Survey of Christian Thought.)

**Required Christian Thought Minor Courses:**

|                                   |        |
|-----------------------------------|--------|
| HIST 208 History of Christianity  | 3 crs. |
| HIST 475 The Reformations         | 3 crs. |
| PHIL 325 Christian Apologetics    | 3 crs. |
| PHIL 334 Christ and Culture       | 3 crs. |
| REL 203 New Testament             | 3 crs. |
| REL 310 Religion in America Today | 3 crs. |

|                                                    |        |
|----------------------------------------------------|--------|
| REL 203 New Testament                              | 3 crs. |
| REL 310 Religion in America Today                  | 3 crs. |
| REL 376 Christian Ethics                           | 3 crs. |
| ____ Research methods class<br>(HIST 385, REL 490) | 3 crs  |
| ____ Senior thesis class<br>(HIST 490, REL 491)    | 3 crs  |

**Elective Course** – Choose any 300 or 400-level class in history, theology, or philosophy.

**Elective Courses** – Choose up to six (6) crs.

A concentration of any 2 classes (300- or 400-level) in one of the 3 relevant areas (History, Theology or Philosophy)

## PRE-DEACONESS PROGRAM

Since 1919, the Lutheran Church—Missouri Synod has trained women to serve as deaconesses in the congregations and other institutions of the church. They have served remarkably in education, mission, administration, and works of mercy. Currently, the LCMS trains deaconesses on both the undergraduate level at Concordia—Chicago and the graduate level at Concordia—Chicago and at both Synodical seminaries. The pre-deaconess program provides financial aid, vocational counseling, encouragement, and support to women, as well as elevating the visibility of diaconal service. Pre-deaconess students are served by the pre-seminary director.

### Course Requirements

Grade requirements: GPA of 2.50 to meet seminary admissions requirements

Core classes:

1. REL201 Old Testament
2. REL204 Biblical Theology
3. GRK 201 Greek I
4. GRK 202 Greek II

Additional courses:

1. REL 203 New Testament
2. GRK 303 Greek III

Students select one of the following majors or minors:

1. Christian Thought major or minor
2. Philosophy minor
3. Pre-Seminary major
4. Theological Languages major or minor

The other major or minor required to graduate is left to the student's discretion, though students are encouraged to match their studies with their anticipated areas of service (e.g., Family Life major, Music major or minor, Worship Arts Leadership minor, or Adolescent Studies minor).

### Program Application and Acceptance

#### Application for Entry into the Pre-Deaconess Program

Since deaconess ministry is an office of the Church of Christ, it demands individuals exhibiting the highest level of talent, personal knowledge, aptitude, skill, and Christian character. For this reason the following criteria have been established for acceptance into the Pre-Deaconess Program. Application is generally made in the second semester of the sophomore year.

1. Successful completion of a minimum of 45 semester hours of credit.
2. CGPA of 2.5 on a 4.0 scale. (Probationary acceptance may be given to students with a CGPA of at least 2.0 if other requirements are met.)
3. Evidence of proficiency in English appropriate to the pre-seminary program.

4. Submission of a completed application form, available from the pre-seminary director.
5. Completion of basic theology courses.
6. Exhibition of exemplary Christian life-style.
7. Interviews with and written recommendation of the pre-seminary director.

#### Acceptance Procedure

1. Notification of acceptance into the program will be made by letter.
2. Notification of non-acceptance or probationary acceptance of the applicant is made in a personal interview with the pre-seminary director. A formal letter of the decision is presented to the applicant during the interview.
3. A copy of this letter is filed in the applicant's folder in the pre-seminary director's office.
4. A student who is refused acceptance into the program may re-apply up to two more times.

#### Program Continuation

To maintain "good standing" status in the pre-deaconess program, a student must maintain a 2.5 CGPA.

## PRE-SEMINARY PROGRAM

The pre-seminary program provides academic preparation in the liberal arts for professional study for full-time pastoral ministry in the Lutheran Church—Missouri Synod. Following the earning of the baccalaureate degree, the pre-seminary student continues his program of study at Concordia Seminary, St. Louis, or Concordia Theological Seminary, Fort Wayne.

The mission of pre-seminary education is to prepare students for theological studies and pastoral formation at a seminary of the Lutheran Church—Missouri Synod. This preparation ordinarily encompasses biblical knowledge, biblical language competency, and understanding of Lutheran doctrine; competency in communication skills in reading, writing, speaking, and listening; skills in critical thinking and philosophical inquiry; acquisition of a global perspective; the understanding of and appreciation for the Lutheran ethos, identity, and ethic; and helping the student to perceive, proclaim, teach, and live out the centrality of the Gospel of Jesus Christ for the whole world. Pre-seminary students are strongly encouraged to include two majors in their studies: theological languages and pre-seminary studies. These majors are designed to prepare students for the seminary competency examinations in the Old Testament, New Testament, Christian Doctrine, Greek, and Hebrew. These majors also include broader liberal arts studies in German or Latin, communication, writing, social science, and philosophy, all of which are helpful for theological study on a graduate level. In special cases, students in the pre-seminary program may choose other majors and minors, but must always include at least a minor in theological languages.

#### Application for Entry into the Pre-Seminary Program

Since the public ministry of Word and Sacrament is an office of the Church of Christ, it demands individuals exhibiting the highest level of talent, personal knowledge, aptitude, skill, and Christian character. For this reason the following criteria have been established for acceptance into the Pre-Seminary Program of Concordia University Ann Arbor. Application is generally made in the second semester of the sophomore year.

1. Successful completion of a minimum of 45 semester hours of credit.
2. CGPA of 2.5 on a 4.0 scale. (Probationary acceptance may be given to students with a CGPA of at least 2.0 if other requirements are met.)
3. Evidence of proficiency in English and foreign languages appropriate to the pre-seminary program.
4. Submission of a completed application form, available from the pre-seminary director.
5. Completion of basic theology courses.
6. Exhibition of exemplary Christian life-style.
7. Interviews with and written recommendation of the pre-seminary director.

#### Acceptance Procedure

1. Notification of acceptance into the program will be made by letter.
2. Notification of non-acceptance or probationary acceptance of the applicant is made in a personal interview with the pre-seminary director. A formal letter of the decision is presented to the applicant during the interview.
3. A copy of this letter is filed in the applicant's folder in the pre-seminary director's office.
4. A student who is refused acceptance into the pre-seminary program may re-apply up to two more times. Acceptance into the pre-seminary program is not a requirement for the successful completion of either major.

**Program Continuation**

To maintain “good standing” status in the pre-seminary program, a student must maintain a 2.5 CGPA.

**Curriculum** (For the Theological Languages Major and Minor, see the alphabetical listing later in this catalog.)

**PRE-SEMINARY STUDIES**

The pre-seminary studies major is open to all students who desire to prepare for graduate level studies in theology. LCMS Pre-seminary students may select this major, if they choose. Selecting this major does not constitute entrance into the LCMS pre-seminary program. Please see program description for more details. All students may participate in the pre-seminary club.

**PRE-SEMINARY STUDIES MAJOR, 33 crs.****Required Core Courses:**

|                                                                                                           |       |
|-----------------------------------------------------------------------------------------------------------|-------|
| ENG 104 Introduction to Writing                                                                           | 3 crs |
| REL 201 The Old Testament                                                                                 | 3 crs |
| (must also take REL203 New Testament)                                                                     | 3 crs |
| REL 204 Biblical Theology                                                                                 | 3 crs |
| HIST 103 Civilization and Worldviews                                                                      | 3 crs |
| ENG 103 Culture and Civilization                                                                          | 3 crs |
| COMM 105 Public Speaking                                                                                  | 3 crs |
| PHIL 101, 211, 250, 325 or 350                                                                            | 3 crs |
| REL XXX Elective (recommended:<br>Missions, evangelism, comparative religions or<br>Christian caregiving) | 3 crs |

**Theology/Family Life Elective** 3 crs

It is recommended to take one of the following:

|                                       |        |
|---------------------------------------|--------|
| FAM 430 Foundations of Youth Ministry | 3 crs. |
| FAM 431 Youth Culture                 | 3 crs. |
| FAM 432 Youth Ministry Administration | 3 crs. |

**Required Courses:**

|                                     |        |
|-------------------------------------|--------|
| REL 404 Lutheran Confessions        | 3 crs. |
| REL 440 Worship Theology & Practice | 3 crs. |
| REL 490 Senior Seminar I            | 3 crs. |
| REL 491 Senior Seminar II           | 3 crs. |
| COMM 205 Advanced Public Speaking   | 3 crs  |

**Bible Elective** – Choose one (1) of the following:

Any course pertaining to upper-level Old or New Testament content 3 crs.

**Historical Theology Elective:**

It is recommended to select:

REL 333 A Survey of Christian Thought 3 crs.

**Writing Elective** – It is recommended to select one of the following:

|                          |        |
|--------------------------|--------|
| ENG 245 Advanced Writing | 3 crs. |
| ENG 246 Creative Writing | 3 crs. |
| ENG 350 Rhetoric         | 3 crs. |

**Social Science Elective:**

PSY 101 General Psychology 3 crs.  
Or if General Psychology was taken in the core,  
SOC 101 Introduction to Sociology 3 crs.

**Philosophy/Literature Elective** 3 crs.

**THEOLOGICAL LANGUAGES**

Students learn Hebrew, Greek, and either Latin or German in order to read the Bible and major theological works. The curriculum enables students to attain a high level of competency for reading the Bible in its original languages and is an excellent preparation for graduate work in theology. All pre-seminary students take at least the minor.

**THEOLOGICAL LANGUAGES MAJOR, 36 crs.****Required Core Courses:**

|                           |        |
|---------------------------|--------|
| REL 201 Old Testament     | 3 crs. |
| REL 204 Biblical Theology | 3 crs. |
| Theology Elective*        | 3 crs. |

\*It is strongly recommended that the theological elective be fulfilled by taking an upper-level course in biblical content.

**THEOLOGICAL LANGUAGES MINOR, 21 crs.****Required Core Courses:**

|                           |        |
|---------------------------|--------|
| REL 201 Old Testament     | 3 crs. |
| REL 204 Biblical Theology | 3 crs. |
| Theology Elective*        | 3 crs. |

Must include REL 203 New Testament (3 credits) and 18 credits of theological languages beyond the 6 credits

**Required Theological Languages Major Courses:**

*Two of the language courses below are counted in the core, not in the major*

|                                                            |        |
|------------------------------------------------------------|--------|
| GER or LAT I                                               | 3 crs. |
| GER or LAT II                                              | 3 crs. |
| GRK 201 Greek I                                            | 3 crs. |
| GRK 202 Greek II                                           | 3 crs. |
| GRK 303 Greek III                                          | 3 crs. |
| GRK 304 Greek IV                                           | 3 crs. |
| HEB 301 Hebrew I                                           | 3 crs. |
| HEB 302 Hebrew II                                          | 3 crs. |
| HEB 401 Hebrew III                                         | 3 crs. |
| HEB 402 Hebrew IV                                          | 3 crs. |
| GRK/HEB XXX Greek/Hebrew V                                 | 3 crs. |
| GRK/HEB XXX Greek/Hebrew VI                                | 3 crs. |
| REL 203 New Testament                                      | 3 crs. |
| Biblical Skills elective                                   | 3 crs. |
| <i>(Any theological language course or Bible elective)</i> |        |

of theological languages taken to fulfill the core language and culture requirements.

It is recommended that students take 12 credits each of Greek and Hebrew, but if a student cannot complete the 12 credits each of Greek and Hebrew successfully, other language courses from the list can be used to fulfill the 21 required credits for this minor.

**WORSHIP ARTS LEADERSHIP**

*“Wherever I cause my name to be honored, I will come to you and bless you.” Exodus 20:24b*

The worship life of the Christian church is God’s ministry to us, and is as multi-faceted as the church itself. Worship ministries in today’s local churches no longer require artists trained exclusively as musicians. These ministries require skilled musicians with strong leadership skills, thorough knowledge of sacred scripture and worship theology, and the ability to navigate the rapidly changing landscape of audio and visual technology. The Worship Arts Leadership (WAL) Minor at Concordia University offers music courses to develop your musical skills, Biblical and religion studies to develop your knowledge of worship theology, and courses in modern worship arts leadership and music technology. The WAL minor also includes practical application of skills in local congregations, and the involvement in campus worship arts ensembles throughout the course of study.

**WORSHIP ARTS LEADERSHIP MINOR, 32 crs., plus 2-4 credits in performance emphasis****Religion Core, 15 crs:**

|                                                                                                    |        |
|----------------------------------------------------------------------------------------------------|--------|
| REL 201 Old Testament                                                                              | 3 crs. |
| REL 203 New Testament                                                                              | 3 crs. |
| REL 204 Biblical Theology                                                                          | 3 crs. |
| REL 333 Survey of Christian Thought                                                                | 3 crs. |
| REL 404 Lutheran Confessions                                                                       | 3 crs. |
| <i>(Note: Some of these credits will also fulfill common core and elective core requirements.)</i> |        |

**Worship Arts Core, 17 crs:**

|                                          |        |
|------------------------------------------|--------|
| MUS 240 Music Theory I                   | 3 crs. |
| MUS 246 Aural Theory I                   | 1 cr.  |
| WAL/REL 440 Worship Theology & Practice  | 3 crs. |
| MUS 344 Song Writing and Arranging       | 2 crs. |
| MUS 205 Intro to Multi-Media Production  | 2 crs. |
| WAL 435 Applying Worship Arts Leadership | 3 crs. |
| WAL 450 Worship Arts Practicum           | 3 crs. |

**Performance emphasis (piano)\* 3-4 crs:**

|                                                                                                                                              |        |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| MUS 201 Applied Piano I                                                                                                                      | 1 cr.  |
| <i>(recommended sequence for students without prior experience MUS 201, MUS 301, MUS 302 see instructor for evaluation and/or placement)</i> |        |
| MUS 223 Applied Keyboard Skills                                                                                                              | 2 crs. |
| <i>(4 semesters of piano are recommended before enrolling in this course: MUS 201, MUS 301, MUS 203)</i>                                     |        |

**Performance emphasis (guitar)\*\* 2-4 crs:**

|                          |       |
|--------------------------|-------|
| MUS 201 Applied Piano I  | 1 cr. |
| MUS 301 Applied Piano II | 1 cr. |
| MUS 234 Applied Strings  | 1 cr. |
| MUS 334 Applied Strings  | 1 cr. |

Ensemble experience

WAL 235 Worship Arts Ensemble (0 credit for 4 semesters)

\*Students must choose piano OR guitar as proficient instrument

\*\*Students who choose guitar must take two semesters of beginning piano or test out – see instructor for evaluation.

## SOCIAL SCIENCES

### ADOLESCENT STUDIES

The adolescent studies (formerly youth studies) minor prepares students to equip both caregivers and youth with knowledge and strategies to prevent negative behavior and restore or foster positive behavior in the areas of emotional well-being, academia, career, relationships, morality, and faith.

#### ADOLESCENT STUDIES MINOR, 21 crs.

##### Required Courses:

|        |                              |        |
|--------|------------------------------|--------|
| JPP110 | Juvenile Theory              | 3 crs. |
| FAM431 | Youth Culture                | 3 crs. |
| PSY221 | Child Development            | 3 crs. |
| PSY222 | Adolescent Development       | 3 crs. |
| PSY421 | Human Sexuality              | 3 crs. |
| SOC203 | Contemporary Social Problems | 3 crs. |
| SOC333 | Families in Society          | 3 crs. |

### MASS COMMUNICATION

The Mass Communication major/minor provides a broad-based liberal arts approach to better understanding and using radio, television, film, video, and print media. An emphasis is placed on giving students skills in writing and editing skills across the various media.

The Mass Communication Major (42 credits) is fulfilled by taking the following courses plus the 18 credit Communication Core. The Mass Communication Minor (21 credits) is custom designed from courses in the Mass Communication requirements list and the Communication Core. The courses required will be determined by emphasis in two of the following areas: radio, television, film, video, or print media.

#### MASS COMMUNICATION MAJOR, 42 crs.

##### Required Communication Common Core Courses:

|                                                                               |        |
|-------------------------------------------------------------------------------|--------|
| COMM 105 Public Speaking<br>(taken in Narrative Core)                         | 3 crs. |
| COMM 201 Interpersonal Communication                                          | 3 crs. |
| COMM 265 Journalism                                                           | 3 crs. |
| COMM 280 Careers in Communication                                             | 3 crs. |
| COMM 385 Interviewing Principles                                              | 3 crs. |
| COMM 460 Cross Cultural Communication<br>(taken as Culture in Narrative Core) | 3 crs. |
| COMM 470 Internship                                                           | 3 crs. |
| COMM 490 Senior Seminar                                                       | 3 crs. |

##### Mass Communication Specialization

|                                      |        |
|--------------------------------------|--------|
| COMM191/193 Beacon and WCUA          | 3 crs. |
| COMM 250 Intro to Mass Communication | 3 crs. |
| COMM 321 Media Writing               | 3 crs. |

##### Choose one (1) of the following:

|                            |        |
|----------------------------|--------|
| COMM 329 Film History      | 3 crs. |
| COMM 371 Philosophy & Film | 3 crs. |

#### MASS COMMUNICATION MINOR, 21 crs.

##### Mass Communication Minor:

|                                      |        |
|--------------------------------------|--------|
| COMM 250 Intro to Mass Communication | 3 crs. |
| COMM 321 Media Writing               | 3 crs. |

##### Choose one (1) of the following:

|                            |        |
|----------------------------|--------|
| COMM 329 Film History      | 3 crs. |
| COMM 371 Philosophy & Film | 3 crs. |

##### Choose one (1) of the following:

|                                    |        |
|------------------------------------|--------|
| COMM 339 Film and Video Production | 3 crs. |
| COMM 351 Radio Production          | 3 crs. |

##### Choose one (1) of the following:

|                                       |        |
|---------------------------------------|--------|
| COMM 270 Sports Journalism            | 3 crs. |
| COMM347 Animation                     | 3 crs. |
| COMM 439 Adv. Film & Video Production | 3 crs. |

##### Choose one (1) of the following:

|                                       |        |
|---------------------------------------|--------|
| COMM205 Advanced Public Speaking      | 3 crs. |
| COMM325 Storytelling & Oral Histories | 3 crs. |



*Choose one (1) of the following:*

|                                    |        |
|------------------------------------|--------|
| COMM 339 Film and Video Production | 3 crs. |
| COMM 351 Radio Production          | 3 crs. |

*Choose one (1) of the following:*

|                                       |        |
|---------------------------------------|--------|
| COMM 270 Sports Journalism            | 3 crs. |
| COMM347 Animation                     | 3 crs. |
| COMM 439 Adv. Film & Video Production | 3 crs. |

*Choose one (1) of the following:*

|                                       |        |
|---------------------------------------|--------|
| COMM205 Advanced Public Speaking      | 3 crs. |
| COMM327 Storytelling & Oral Histories | 3 crs. |

*Choose one (1) of the following not already taken:*

|                                       |        |
|---------------------------------------|--------|
| COMM 270 Sports Journalism            | 3 crs. |
| COMM 329 Film History                 | 3 crs. |
| COMM 339 Film and Video Production    | 3 crs. |
| COMM347 Animation                     | 3 crs. |
| COMM 351 Radio Production             | 3 crs. |
| COMM 371 Philosophy & Film            | 3 crs. |
| COMM 439 Adv. Film & Video Production | 3 crs. |

## PSYCHOLOGY

The psychology major meets all undergraduate requirements established by the American Psychological Association. Upon completion, students will be prepared for graduate school in related fields or to enter the workforce providing a variety of human service needs. Coursework is intended to introduce students to various theoretical perspectives, issues pertaining to human development, social influences, and research design. Students also gain practical knowledge and field related experience. A psychology major is the option chosen by students with a variety of interests including: psychology, social work, counseling, and law, health, and human services. A cumulative GPA of 2.75 and a 3.0 in psychology should be attained in order to enroll in any 300/400 level course.

### PSYCHOLOGY MAJOR, 37 crs.

#### Required Core Courses:

|                                              |        |
|----------------------------------------------|--------|
| COMM 105 Public Speaking                     | 3 crs. |
| MATH 205 Statistics I                        | 3 crs. |
| BIO 181 Essentials of Anatomy and Physiology | 4 crs. |

#### Required Psychology Major Courses:

|                                                      |        |
|------------------------------------------------------|--------|
| PSY 101 General Psychology                           | 3 crs. |
| PSY 201 Interpersonal Communication                  | 3 crs. |
| PSY 205 Theories of Learning                         | 3 crs. |
| PSY 310 Theories of Personality                      | 3 crs. |
| PSY 315 Social Psychology                            | 3 crs. |
| PSY 245 Experimental Psychology and Research Methods | 3 crs. |
| PSY 425 Abnormal Psychology                          | 3 crs. |
| PSY 450 Psychology Practicum                         | 3 crs. |
| PSY 490 Senior Seminar                               | 3 crs. |
| PSY 492 The Research Proposal                        | 1 cr.  |

#### Required Development Course – Choose one (1) of the following:

|                                |        |
|--------------------------------|--------|
| PSY 221 Child Development      | 3 crs. |
| PSY 222 Adolescent Development | 3 crs. |
| PSY 223 Adult Development      | 3 crs. |
| PSY 230 Lifespan Development   | 3 crs. |

#### Electives – Choose two (2) from either category:

|                                 |        |
|---------------------------------|--------|
| 300 Level Psychology Electives* | 3 crs. |
| 400 Level Psychology Electives* | 3 crs. |

*\*Principles of Counseling is a recommended elective to be taken during spring of junior year.*

### PSYCHOLOGY MINOR, 24 crs.

#### Required Core Courses:

|                       |        |
|-----------------------|--------|
| MATH 205 Statistics I | 3 crs. |
|-----------------------|--------|

#### Required Psychology Minor Courses:

|                                                      |        |
|------------------------------------------------------|--------|
| PSY 101 General Psychology                           | 3 crs. |
| PSY 205 Theories of Learning                         | 3 crs. |
| PSY 310 Theories of Personality                      | 3 crs. |
| PSY 315 Social Psychology                            | 3 crs. |
| PSY 245 Experimental Psychology and Research Methods | 3 crs. |
| PSY 425 Abnormal Psychology                          | 3 crs. |

#### Required Development Course – Choose one (1) of the following:

|                                |        |
|--------------------------------|--------|
| PSY 221 Child Development      | 3 crs. |
| PSY 222 Adolescent Development | 3 crs. |
| PSY 223 Adult Development      | 3 crs. |
| PSY 230 Lifespan Development   | 3 crs. |

#### Elective – Choose one (1) from either category:

|                                |        |
|--------------------------------|--------|
| 300 Level Psychology Electives | 3 crs. |
| 400 Level Psychology Electives | 3 crs. |

## SOCIAL STUDIES

Though the course of study in social studies is primarily aimed at preparing candidates for a life of service as teachers, it also is very helpful to those seeking preparation for law or other leadership positions in the church and world. Students will acquire the ability to use important concepts which describe and explain individual and human characteristics, both now and in the past. They will learn and develop skills in observing and analyzing a wide range of social behavior, as well as gain an understanding of the ways in which social structure and rules both frustrate and enhance individual perceptions. In addition, they will develop critical skills which will help them to gather and communicate social information. They will learn the major social and behavioral science concepts and skills and therefore become more effective leaders and servants. Finally, the curriculum places a strong emphasis on participation in society as productive citizens, ones who are able to "rule and be ruled finely" as people of God in the world.

### SOCIAL STUDIES MAJOR, 37 crs.

#### Required Courses:

|                                                          |        |
|----------------------------------------------------------|--------|
| ECON 222 Micro-Economics                                 | 3 crs. |
| ECON 231 Macro-Economics                                 | 3 crs. |
| GEOG 220 Cultural Geography                              | 3 crs. |
| GEOG xxx Geography elective                              | 3 crs. |
| HIST 103 Worldview: History                              | 3 crs. |
| HIST 153 American Civilization                           | 3 crs. |
| POLS 201/JPP 101 American Government                     | 3 crs. |
| POLS XXX <i>Choose any upper level political science</i> | 3 crs. |
| SSC490 Senior Project                                    | 1 cr.  |

**Electives** - Choose a minimum of twelve (12) crs. from courses with the following prefixes:

|                            |        |
|----------------------------|--------|
| ECON                       |        |
| GEOG                       |        |
| HIST                       |        |
| POLS                       |        |
| PSY 101 General Psychology | 3 crs. |
| SOC                        |        |

#### Recommended SOC course:

|                       |        |
|-----------------------|--------|
| SOC 255 Urban Society | 3 crs. |
|-----------------------|--------|

### SOCIAL STUDIES MINOR, 27 crs.

#### Required Courses:

|                                                          |        |
|----------------------------------------------------------|--------|
| ECON 222 Micro-Economics                                 | 3 crs. |
| ECON 231 Macro-Economics                                 | 3 crs. |
| GEOG 220 Cultural Geography                              | 3 crs. |
| GEOG xxx Geography elective                              | 3 crs. |
| HIST 103 Worldview: History                              | 3 crs. |
| HIST 153 American Civilization                           | 3 crs. |
| POLS 201/JPP 101 American Government                     | 3 crs. |
| POLS XXX <i>Choose any upper level political science</i> | 3 crs. |

## SOCIOLOGY

The Sociology minor is intended to provide the student with a broad liberal arts experience that will complement course work in other majors. The Sociology minor will be most helpful to those students who major in an area directly related to preparation for service to diverse populations.

### SOCIOLOGY MINOR, 21 crs.

#### Required Courses:

|                                            |        |                                       |        |
|--------------------------------------------|--------|---------------------------------------|--------|
| SOC 101 Introduction to Sociology          | 3 crs. | SOC 345 Adulthood & Aging             | 3 crs. |
| SOC 203 Contemporary Social Problems       | 3 crs. | SOC151 Criminology                    | 3 crs. |
| SOC 175 African American Reality & Culture | 3 crs. | SOC410 Research in Social Science (w) | 3 crs. |
| SOC 451 Issues in Social Science           | 3 crs. |                                       |        |

**Electives**—Choose nine (9) crs. from the following:

|                             |        |
|-----------------------------|--------|
| SOC 333 Families in Society | 3 crs. |
|-----------------------------|--------|

## LIBERAL ARTS

**LIBERAL ARTS CORE (existing), 51 crs.**

**LIBERAL ARTS MAJOR, 56-57 crs.\_**

**Courses selected must NOT have been taken as part of the Liberal Arts Core.**

**English** (must include at least one writing course) 9 crs.  
ENG 245 Advanced Writing (3 crs.)

Choose one of these three classes (3 crs.):

ENG 341 American Literature I **or**

ENG 342 American Literature II **or**

ENG 347 World Literature I

Choose one of these three classes (3 crs.):

ENG 344 English Literature I **or**

ENG 345 English Literature II **or**

ENG 465 Shakespeare

**History** 6 crs.

HIST 153 American Civilization

HIST 163 Non-Western World

HIST 385 Historical Methods

**Mathematics/Computer Science** 6 crs.

Select from:

MATH 128 College Algebra

MATH 150 Trigonometry

MATH 201 Calculus I

MATH 202 Calculus II

MATH 203 Calculus III

MATH 205 Statistics I

MATH 305 Statistics II

CSC 150 Foundations of Computer Science (must precede other CS courses)

CSC 175 Advanced Software Applications

CSC 180 Readings in Science and Technology

CSC 200 Foundations of Programming

**Communication** 3 crs.

COMM 105 Public Speaking or

COMM 201 Interpersonal Communication

**Art/Music/Theatre** 6 crs.

Select from:

MUS 171 Creative Arts Music

MUS 240 Music Theory I

Music Ensembles

ART 2xx Studio Courses at the 200 level or above

ART 381 Aesthetics

**Physical Development** 2 crs.

Select from:

HHP 105 Introduction to Lifetime Fitness (Wellness Program)

HHP 149 Wellness Boot Camp

HHP 260 Personal, Family and Community Health

HHP 265 Healthy Lifestyles  
 HHP 280 Psychology of Sport  
 HHP 342 Nutrition and Wellness  
 HHP 361 Technology in Health and Human Performance  
 HHP 371 Exercise Physiology  
 HHP 373 Motor Development  
 Any combination of Activity courses

**Language** 6 crs.

Any two course sequence in a single language.

**Theology** 6 crs.

Any REL courses other than the basic courses in biblical content or doctrine (i.e., other than REL 100, 110, 201, 203, 204), and without substituting courses that also fulfill the third core theology course.

Suggested:

REL 310 Religion in America Today  
 REL 333 A Survey of Christian Thought  
 REL 376 Christian Ethics  
 REL 410 World Religions

**Philosophy** 3 crs.

If a PHIL course was taken to satisfy the core philosophy requirement, then select any other PHIL course in the 200-300 range.

**Natural Science** (SCI 100 for core) 3-4 crs.

BIO 100 Principles of Biology  
 BIO 156 Environmental Science  
 BIO 367 Ecology of the Tropics  
 PHYS 107 Astronomy  
 SCI 235 Earth Science  
 SCI 215 Meteorology  
 SCI 246 Oceanography

**Social Science** 3 crs.  
 SOC 203 Contemporary Social Problems

**Senior Seminar** (in selected discipline) 3 crs.

## THE HAAB SCHOOL OF BUSINESS ADMINISTRATION

**VISION STATEMENT:** The Haab School of Business emboldens a global network of transformational and collaborative Christian leaders, dedicated faculty, entrepreneurial students, and active alumni who come together to create maximum social impact through ethical practice, innovation and service.

The Haab School of Business Administration provides a challenging and dynamic learning environment. Our classes are taught by experienced business professionals whose primary goal is to ensure academic excellence and student success. The Haab Program approach includes:

### APPLIED KNOWLEDGE

Internships combine theory with practical application, through interaction between students, local and regional businesses, and community organizations. This provides students with an opportunity to explore their field of interest in a real-world business or non-profit environment.

### BUSINESS CONNECTIONS

Students benefit from Haab's relationships with the regional business community, as well as with local social service and non-profit organizations.

### ETHICAL PERSPECTIVE

In a climate where ethical values serve to strengthen leadership skills, the Haab experience provides a firm Christian ethical foundation to our future business leaders.

The two divisions therein are the Business Division and the Justice and Public Policy Division.

### UNIVERSITY CORE CURRICULUM REQUIREMENTS

| Core requirements                                    | Course                                          | Credits | Business | JPP |
|------------------------------------------------------|-------------------------------------------------|---------|----------|-----|
| Theology - 9 crs.                                    | REL 100 The Bible                               | 3       | *        | *   |
| Common core                                          | REL 110 Christian Faith                         | 3       | *        | *   |
|                                                      | Theology Elective                               | 3       | **       | **  |
| Philosophical Foundations - 3 crs.<br>Narrative Core | Choose an approved Philosophy                   | 3       | **       | **  |
| Literature - 3 crs.<br>Common Core                   | ENG 103 Civilizations & Worldviews - Literature | 3       | *        | *   |
| History - 3 crs.<br>Common Core                      | HIST 103 Civilizations & Worldviews - History   | 3       | *        | *   |
| Creative Arts - 3 crs.<br>Elective Core              | Choose an approved Arts Course                  | 3       | **       | **  |
| Culture - 3 crs.<br>Narrative Core                   | Choose an approved Culture Course               | 3       | **       | **  |
| Language - 3 crs.<br>Elective Core                   | Choose an approved Language Course              | 3       | **       | **  |
| Social Sciences -3 crs.<br>Elective Core             | Choose an approved Social Science course        | 3       | **       | **  |
| Citizenship - 3 crs.<br>Narrative Core               | ECON 222 Macroeconomics                         | 3       | *        |     |
|                                                      | JPP 101 American Government                     |         |          | *   |

| <b>Core requirements</b>                       | <b>Course</b>                                                   | <b>Credits</b>   | <b>Business</b> | <b>JPP</b> |
|------------------------------------------------|-----------------------------------------------------------------|------------------|-----------------|------------|
| Science - 4 crs.<br>Elective Core              | Choose an approved Science course with Lab                      | 4                | **              | **         |
| Writing - 3 crs.<br>Common Core                | ENG 104 Introduction to Writing                                 | 3                | *               | *          |
| Communications - 3 crs.                        | Choose an approved Communication course                         | 3                | **              | **         |
| Mathematics - 3 crs.<br>Elective Core          | BUS 315 Business Statistics                                     | 3                | *               | *          |
| Phys. Education - 2 crs.<br>Elective Core      | HHP 100 Introduction to Lifetime Fitness<br>HPP Activity Course | 1<br>1           | *<br>**         | *<br>**    |
| The University Exp. – 3 crs.<br>Narrative Core | LA103 College, Career, & Calling                                | 3                |                 |            |
|                                                |                                                                 | <b>TOTAL: 51</b> |                 |            |

\* = specific course required    \*\* = choice of course from approved list

### **Suggested first year program**

First year business majors are advised to enroll in the following courses:

| <b>FALL</b>                          |        | <b>SPRING</b>                           |        |
|--------------------------------------|--------|-----------------------------------------|--------|
| ACCT203 Financial Accounting*        | 3 crs. | ACCT 223 Managerial Accounting*         | 3 crs. |
| ECON222 Macroeconomics               | 3 crs. | BUS 161 Business Essentials             | 3 crs. |
| MGMT 130 Principles of Management    | 3 crs. | MKTG 131 Principles of Marketing        | 3 crs. |
| ENG 104 Introduction to Writing      | 3 crs. | REL 100 The Bible                       | 3 crs. |
| COMM 201 Interpersonal Communication | 3 crs. | ENG 103 Civilizations and Worldview-Lit | 3 crs. |
| LA 103 College, Career & Calling     | 3 crs. | HHP 100 Intro to Lifetime Fitness       | 1 cr.  |
|                                      |        | PSY 101 General Psychology              | 3 crs. |

\* For Accounting majors only

### **PROGRAM OBJECTIVE**

Concordia University prepares students to assume effective and responsible leadership roles in organizations or related professional activities. A three part curriculum is required to accomplish this goal (Bachelor of Science in Business).

First, the liberal arts core provides students with the intellectual and self-knowledge skills to understand themselves and their dynamic world. Students learn to communicate and develop an understanding of the religious, cultural, social, economic, international, and technical environments in which individuals and organizations will exist in the future. By taking courses in religion and ethics, students develop a Christian value system for dealing conscientiously with their various publics.

The second part of the curriculum is the business common body-of-knowledge, required of all business division graduates. This core provides students with an understanding of the dynamics of the firm, introduction to the functional areas of the organization, basic managerial and organizational concepts, and an overall view of policy making. The qualitative and quantitative nature of this common-core enables students to develop their critical and analytical skills.

The third section of the curriculum provides students an opportunity to concentrate and obtain sufficient competence and skill to experience the joy of useful work and contribute to church and community in a profession or vocation. Only accredited transfer credits from NCA or Equivalent Accredited Institutions will be accepted.

All Business majors must complete all listed degree requirements and earn a minimum of 126 credits to graduate. Sport & Entertainment Business majors take SEM453 and SMA340 instead of BUS453 and BUS399 (see major requirements).

**All students pursuing a Business major, or minor must earn a grade of C- or better in all Business core, major, or minor courses to earn a business degree.**

## THE BUSINESS CORE CURRICULUM - 48 CREDITS

### BUSINESS CORE

#### 42 TOTAL, 39 ACTUAL CRS.

|                                                     |                                              |
|-----------------------------------------------------|----------------------------------------------|
| ACCT 203 Financial Accounting                       | 3 crs.                                       |
| ACCT 223 Managerial Accounting                      | 3 crs.                                       |
| BUS 161 Business Essentials                         | 3 crs.                                       |
| BUS 210 Business Law I                              | 3 crs.                                       |
| BUS 315 Business Statistics                         | 3 crs. ( <i>counted in University Core</i> ) |
| BUS 355 Management Information System               | 3 crs.                                       |
| BUS 399 Internship                                  | 3 crs.                                       |
| BUS 453 Business Policy and Ethical Decision Making | 3 crs.                                       |
| ECON 231 Micro Economics                            | 3 crs.                                       |
| FIN 300 Principles of Finance                       | 3 crs.                                       |
| MGMT 130 Principles of Management                   | 3 crs.                                       |
| MGMT 336 Human Resource Management                  | 3 crs.                                       |
| MGMT 450 International Business Management          | 3 crs.                                       |
| MKTG 131 Principles of Marketing                    | 3 crs.                                       |

### ACCOUNTING

#### ACCOUNTING MAJOR, 21 crs.

Students may select either a "4-year, non-CPA" track and complete a minimum of 126 credit hours or they may satisfy the "5-year, 150 hour" track to qualify for the CPA exam.

#### 150-Hour MBA/CPA track\*

|                                        |        |
|----------------------------------------|--------|
| ** ACCT 310 Intermediate Accounting I  | 3 crs. |
| ** ACCT 311 Intermediate Accounting II | 3 crs. |
| ** ACCT 323 Cost Accounting            | 3 crs. |
| ** ACCT 441 Mergers and Acquisitions   | 3 crs. |
| ** ACCT 350 Income Tax I               | 3 crs. |
| ** ACCT 360 Income Tax II              | 3 crs. |
| ** ACCT 420 Auditing                   | 3 crs. |

Students who wish to complete the 150-hour, CPA Exam track have several options - including an MBA - and should consult with their advisor to plan their course of study. Additional classes required for this option include:

|                                    |        |
|------------------------------------|--------|
| ACCT 425/MBA 525 Advanced Auditing | 3 crs. |
|------------------------------------|--------|

|                                                           |        |
|-----------------------------------------------------------|--------|
| ACCT 432/MBA 532 Governmental & Not-for-Profit Accounting | 3 crs. |
| ACCT 330 Advanced Accounting                              | 3 crs. |
| BUS 310 Business Law II and Ethics                        | 3 crs. |

Students in this track may choose to complete a 12-18 credit hour internship instead of the 3-6 credit hour internship. See your advisor for more information.

Due to the rigor of the accounting profession, entering students who wish to register for ACCT 310 or higher accounting courses, will be required to have earned a minimum grade of "B" in both ACCT203 and ACCT223. Each student will then be required to earn a minimum grade of C in each of their upper-level accounting courses to be awarded a bachelor's degree in accounting from Concordia University.

#### **ACCOUNTING MINOR, 18 CRS.**

|                                     |        |
|-------------------------------------|--------|
| ACCT 203 Financial Accounting       | 3 crs. |
| ACCT 223 Managerial Accounting      | 3 crs. |
| ACCT 310 Intermediate Accounting I  | 3 crs. |
| ACCT 311 Intermediate Accounting II | 3 crs. |
| Accounting Elective #1              | 3 crs. |
| Accounting Elective #2              | 3 crs. |

**(FIN 300 Finance can be selected as an elective by non-business majors)**

### **ACCOUNTING, FORENSIC**

#### **FORENSIC ACCOUNTING MINOR, 18 CRS.**

|                                            |        |
|--------------------------------------------|--------|
| ACCT 203 Financial Accounting              | 3 crs. |
| ACCT 310 Intermediate Accounting I         | 3 crs. |
| ACCT 311 Intermediate Accounting II        | 3 crs. |
| JPP 214 Criminal Investigations            | 3 crs. |
| JPP 414 White Collar Crime                 | 3 crs. |
| MBA 576 Fraud Management (graduate course) | 3 crs. |

### **ACCOUNTING, MANAGERIAL**

#### **MANAGERIAL ACCOUNTING MINOR, 18 CRS.**

|                                            |        |
|--------------------------------------------|--------|
| ACCT 203 Financial Accounting              | 3 crs. |
| ACCT 223 Managerial Accounting             | 3 crs. |
| ACCT 323 Cost Accounting                   | 3 crs. |
| FIN300 Principles of Finance               | 3 crs. |
| FIN 340 Corporate Finance                  | 3 crs. |
| Upper level Accounting or Finance Elective | 3 crs. |

### **BUSINESS COMMUNICATION**

#### **BUSINESS COMMUNICATION MAJOR, 30 CRS.**

|                                                    |        |
|----------------------------------------------------|--------|
| BCOM 247 Business Writing                          | 3 crs. |
| BCOM 300 Group Dynamics                            | 3 crs. |
| BCOM 380 Organizational Communication              | 3 crs. |
| BCOM 385 Interviewing Principles                   | 3 crs. |
| BCOM 390 Conflict Management                       | 3 crs. |
| COMM 105 Public Speaking                           | 3 crs. |
| COMM 205 Advanced Public Speaking                  | 3 crs. |
| COMM 260 Social Media                              | 3 crs. |
| MGMT 340 Organizational Behavior                   | 3 crs. |
| <b>And select one elective from the following:</b> | 3 crs. |
| BCOM 333 Servant Leadership OR                     |        |
| COMM 354 Gender and Communication OR               |        |



COMM 460 Cross Cultural Communication

**BUSINESS COMMUNICATION MINOR, 18 CRS.**

|                                       |        |
|---------------------------------------|--------|
| BCOM 247 Business Writing             | 3 crs. |
| BCOM 300 Group Dynamics               | 3 crs. |
| BCOM 380 Organizational Communication | 3 crs. |
| BCOM 385 Interviewing Principles      | 3 crs. |
| COMM 260 Social Media                 | 3 crs. |
| MGMT 130 Principles of Management     | 3 crs. |

**BUSINESS, GENERAL**

**GENERAL BUSINESS MAJOR, 24 CRS.**

This major requires a minimum of BUS 399 and 9 credits of Business electives plus 12 credits Liberal Art electives. An appropriate internship is required as part of the major.

**GENERAL BUSINESS MINOR\*, 18 CRS.**

|                                              |        |
|----------------------------------------------|--------|
| ACCT 203 Financial Accounting                | 3 crs. |
| ACCT 223 Managerial Accounting               | 3 crs. |
| <b>Choose four of the following courses:</b> |        |
| BUS 210 Business Law I                       | 3 crs. |
| ECON 200 Principles of Economics             | 3 crs. |
| FIN 300 Principles of Finance                | 3 crs. |
| MGMT 130 Principles of Management            | 3 crs. |
| MKTG 131 Principles of Marketing             | 3 crs. |

**\*Business Minor cannot be taken by Business Majors**

All Business majors must complete all listed degree requirements and earn a minimum total of 126 credits to graduate.

\*SEB Majors take SEM453 and SMA340 instead of BUS453 and BUS399 (see major requirement).

**BUSINESS, INDIVIDUALIZED**

**INDIVIDUALIZED BUSINESS MINOR, 18 CRS.**

This minor is available only to students who are non-business majors. The student can select any 6 courses (18 credits) from the business curriculum in a self-constructed minor that meets their own individualized career and/or educational goals. All course prerequisites must be met. As well, the courses selected by the student in this minor would not be eligible to count toward any other business minor.

**ECONOMICS**

**ECONOMICS MAJOR, 21 CRS.**

|                                           |        |
|-------------------------------------------|--------|
| ECON 222 Macroeconomics                   | 3 crs. |
| ECON 231 Microeconomics                   | 3 crs. |
| ECON 315 Macroeconomics Crises in History | 3 crs. |
| ECON 320 Money and Banking                | 3 crs. |
| ECON 322 Intermediate Macroeconomics      | 3 crs. |
| ECON 331 Intermediate Microeconomics      | 3 crs. |
| ECON/FIN 430 International Finance        | 3 crs. |

**ECONOMICS MINOR, 18 CRS.**

|                         |        |
|-------------------------|--------|
| ECON 222 Macroeconomics | 3 crs. |
| ECON 231 Microeconomics | 3 crs. |

|                                                            |        |
|------------------------------------------------------------|--------|
| ECON 320 Money and Banking                                 | 3 crs. |
| ECON 315 Macroeconomic Crises in History                   | 3 crs. |
| Economics Electives                                        | 6 crs. |
| <b>ECON 200 cannot be used as an elective in the minor</b> |        |

## ENTREPRENEURSHIP

### ENTREPRENEURSHIP MINOR, 18 CRS.

|                                              |        |
|----------------------------------------------|--------|
| ENTR 250 Legal Landscape of Entrepreneurship | 3 crs. |
| ENTR 262 Planning New Ventures               | 3 crs. |
| ENTR 390 Entrepreneurship Practicum          | 3 crs. |
| MGMT 130 Principles of Management            | 3 crs. |
| MKTG 131 Principles of Marketing             | 3 crs. |

Students select one of the below courses depending on area of entrepreneurial interest:

|                                        |        |
|----------------------------------------|--------|
| MGMT 360 Small Business Administration | 3 crs. |
| <b>OR</b>                              |        |
| BUS 320 Family Business Management     | 3crs.  |

## FAMILY BUSINESS

### FAMILY BUSINESS MINOR, 18 CRS.

|                                                                    |        |
|--------------------------------------------------------------------|--------|
| BCOM 390 Conflict Management                                       | 3 crs. |
| BUS 320 Family Business Management                                 | 3 crs. |
| BUS 325 Family Business Strategic Planning                         | 3 crs. |
| ENTR 262 Planning New Ventures                                     | 3 crs. |
| *Family Business Personal, Professional and Leadership Development | 3 crs. |
| *Family Business Enterprise                                        | 3 crs. |

\*Courses are in the process of development

## FINANCE

### FINANCE MAJOR, 24 CRS.

|                                           |        |
|-------------------------------------------|--------|
| FIN 300 Principles of Finance             | 3 crs. |
| FIN 310 Basic Investing                   | 3 crs. |
| FIN 315 Principles of Insurance           | 3 crs. |
| FIN 320 Money and Banking                 | 3 crs. |
| FIN 340 Corporate Finance                 | 3 crs. |
| FIN 430 International Finance             | 3 crs. |
| ECON 370 International Economics          | 3 crs. |
| ECON 315 Macroeconomics Crises in History | 3 crs. |

### FINANCE MINOR, 18 CRS.

|                                   |        |
|-----------------------------------|--------|
| ACCT 203 Financial Accounting     | 3 crs. |
| FIN 300 Principles of Finance     | 3 crs. |
| MGMT 130 Principles of Management | 3 crs. |

### Choose three (3) of the following courses:

|                                    |        |
|------------------------------------|--------|
| ACCT 223 Managerial Accounting     | 3 crs. |
| FIN 310 Basic Investing            | 3 crs. |
| FIN 315 Principles of Insurance    | 3 crs. |
| FIN 320 Money and Banking          | 3 crs. |
| FIN 340 Corporate Finance          | 3 crs. |
| FIN/ECON 430 International Finance | 3 crs. |

## HOSPITALITY & EVENT MANAGEMENT (HEM)

**HOSPITALITY & EVENT MANAGEMENT MAJOR, 40 CRS.**

|                                                                |        |
|----------------------------------------------------------------|--------|
| HEM 290 Introduction to HEM                                    | 3 crs. |
| HEM 210 Exposition and Special Event Management                | 3 crs. |
| HEM 220 Concession, Catering and Vendor Operational Management | 3 crs. |
| HEM 230 Ceremonial Management                                  | 3 crs. |
| HEM 240 Financial Aspects of Hospitality and Event Management  | 3 crs. |
| BUS 422 Risk Management and Insurance                          | 3 crs. |
| SEM 420 Event and Production Management                        | 3 crs. |
| SEM 320 Contemporary Leadership Behavior                       | 3 crs. |
| SEM 330 Integrated Public Relations and Social Media           | 3 crs. |
| SEM 410 Integrated Marketing and Design                        | 3 crs. |
| SEM 430 Sponsorship, Sales and Fundraising Strategies          | 3 crs. |
| HEM 453 HEM Policy                                             | 3 crs. |
| SMA 340 Internship                                             | 3 crs. |

**HOSPITALITY & EVENT MANAGEMENT MINOR, 18 CRS.**

|                                                                |        |
|----------------------------------------------------------------|--------|
| BUS 422 Risk Management and Insurance                          | 3 crs. |
| HEM 220 Concession, Catering and Vendor Operational Management | 3 crs. |
| HEM 240 Financial Aspects of Hospitality and Event Management  | 3 crs. |
| HEM 290 Introduction to HEM                                    | 3 crs. |
| HEM 420 Event and Production Management                        | 3 crs. |
| <b>Choose 1 of the following courses:</b>                      |        |
| HEM 230 Ceremonial Management                                  | 3 crs. |
| HEM 210 Special Event & Exposition Management                  | 3 crs. |

**HUMAN RESOURCE MANAGEMENT****HUMAN RESOURCE MANAGEMENT MINOR, 18 CRS.**

|                                                          |        |
|----------------------------------------------------------|--------|
| AL 266 Staffing                                          | 3 crs. |
| BUS 388 Compensation and Benefits                        | 3 crs. |
| BUS 434 Training and Employee Development                | 3 crs. |
| MBA 615 Employment and Labor Relations (graduate course) | 3 crs. |
| *MGMT 336 Human Resources Management                     | 3 crs. |
| <b>Choose one of the following courses:</b>              |        |
| AL 269 Workplace Health and Safety                       | 3 crs. |
| AL 472 Managing Change                                   | 3 crs. |
| **BUS 399 Internship                                     | 3 crs. |

\*Students that have taken MGMT336 as part of their major will take AL472.

\*\*BUS 399 Internship is available only to non-business majors

**MANAGEMENT****MANAGEMENT MAJOR, 21 CRS.**

|                                             |        |
|---------------------------------------------|--------|
| BUS 422/MBA 622 Risk Management & Insurance | 3 crs. |
| ECON 370 International Economics            | 3 crs. |
| MGMT 340 Organizational Behavior            | 3 crs. |
| MGMT 360 Small Business Administration      | 3 crs. |
| MGMT 429 Production/Operations Management   | 3 crs. |
| MKTG 223 Public Relations                   | 3 crs. |
| MKTG 422 Marketing Management               | 3 crs. |

**MANAGEMENT MINOR, 18 CRS.**

|                                    |        |
|------------------------------------|--------|
| BUS 310 Business Law II & Ethics   | 3 crs. |
| ECON 200 Principles of Management  | 3 crs. |
| MGMT 130 Principles of Management  | 3 crs. |
| MGMT 336 Human Resource Management | 3 crs. |
| MKTG 131 Principles of Marketing   | 3 crs. |

**Choose one of the following courses:**

|                                           |        |
|-------------------------------------------|--------|
| BUS 450 International Business            | 3 crs. |
| MGMT 429 Production/Operations Management | 3 crs. |

## MARKETING

**MARKETING MAJOR, 21 CRS.**

|                                   |        |
|-----------------------------------|--------|
| MKTG 223 Public Relations         | 3 crs. |
| MKTG 304 Retail Management        | 3 crs. |
| MKTG 325 Promotions & Advertising | 3 crs. |
| MKTG 345 E-Commerce               | 3 crs. |
| MKTG 422 Marketing Management     | 3 crs. |
| MKTG 426 Marketing Research       | 3 crs. |
| MKTG 440 International Marketing  | 3 crs. |

**MARKETING MINOR, 18 CRS.**

**Required Courses**

|                                   |        |
|-----------------------------------|--------|
| <b>9 crs.</b>                     |        |
| MGMT 130 Principles of Management | 3 crs. |
| MKTG 131 Principles of Marketing  | 3 crs. |
| MKTG 422 Marketing Management     | 3 crs. |

**Choose three of the following courses**

|                                   |        |
|-----------------------------------|--------|
| MKTG 223 Public Relations         | 3 crs. |
| MKTG 304 Retail Management        | 3 crs. |
| MKTG 325 Promotions & Advertising | 3 crs. |
| MKTG 345 E-Commerce               | 3 crs. |
| MKTG 426 Marketing Research       | 3 crs. |

## PUBLIC RELATIONS

**PUBLIC RELATIONS MAJOR, 31 CRS.**

|                                        |        |
|----------------------------------------|--------|
| BCOM 247 Business Writing              | 3 crs. |
| BCOM 323 Intermediate Public Relations | 3 crs. |
| BCOM 385 Interviewing Principles       | 3 crs. |
| BCOM 423 Advanced Public Relations     | 3 crs. |
| COMM 105 Public Speaking               | 3 crs. |
| COMM 193 Beacon                        | 1 cr.  |
| COMM 205 Advanced Public Speaking      | 3 crs. |
| COMM 260 Social Media                  | 3 crs. |
| COMM 265 Journalism                    | 3 crs. |
| MKTG 223 Public Relations              | 3 crs. |
| MKTG 325 Promotion and Advertising     | 3 crs. |

**PUBLIC RELATIONS MINOR, 18 CRS.**

|                                        |        |
|----------------------------------------|--------|
| BCOM 323 Intermediate Public Relations | 3 crs. |
| COMM 223 Public Relations              | 3 crs. |
| COMM 423 Advanced Public Relations     | 3 crs. |
| COMM 265 Journalism                    | 3 crs. |
| COMM 205 Advanced Public Speaking      | 3 crs. |
| COMM321 Media Writing                  | 3 crs. |

**Suggested Core Courses to be taken in conjunction with minor:**

|                                                                 |                  |
|-----------------------------------------------------------------|------------------|
| COMM 105 Public Speaking (taken in Narrative Core)              | 3 crs.           |
| COMM 460 Cross Cultural Communication (taken in Narrative Core) | 3 crs.           |
| *GD 100 Digital Design Fundamentals                             | 3 crs. <b>OR</b> |
| *GD 110 Graphic Design I                                        | 3 crs.           |

\*Each fulfills the Creative Arts requirement in the Elective Core, currently CUW courses only

**SPORT & ENTERTAINMENT BUSINESS****SPORT & ENTERTAINMENT BUSINESS MAJOR, 45 CRS.**

|                                                                    |        |
|--------------------------------------------------------------------|--------|
| HHP 275 Administration and Organization of Sport and Entertainment | 3 crs. |
| SMA 290 Introduction to Sport and Entertainment Management         | 3 crs. |
| SMA 300 Social Aspects of Sports and Entertainment                 | 3 crs. |
| SMA 310 Legal and Ethical Issues in Sport                          | 3 crs. |
| SMA 320 Facility Design and Management in Sport & Entertainment    | 3 crs. |
| SMA 330 Sport Economics and Finance                                | 3 crs. |
| SMA 340 Sport and Entertainment Internship                         | 3 crs. |
| SMA 350 Marketing of Sport and Entertainment                       | 3 crs. |
| BUS 422 Risk Management and Negotiation                            | 3 crs. |
| SEM 330 Integrated Public Relations and Social Media               | 3 crs. |
| SEM 320 Contemporary Leadership                                    | 3 crs. |
| SEM 410 Integrated Marketing and Design                            | 3 crs. |
| HEM 420 Event and Fundraising Management                           | 3 crs. |
| SEM 430 Sponsorship, Fundraising and Sales Strategy                | 3 crs. |
| SEM 453 Sport and Entertainment Policy (Capstone)                  | 3 crs. |

**SPORT & ENTERTAINMENT BUSINESS MINOR, 18 CRS.**

|                                                             |        |
|-------------------------------------------------------------|--------|
| SMA 290 Introduction to Sport and Entertainment Management  | 3 crs. |
| SMA 310 Legal and Ethical Issues in Sport and Entertainment | 3 crs. |
| SMA 350 Sport and Entertainment Marketing                   | 3 crs. |
| SEM 430 Sponsorship, Sales and Fundraising Strategies       | 3 crs. |

**Choose two of the following courses:**

|                                                    |        |
|----------------------------------------------------|--------|
| SMA 300 Social Aspects of Sports and Entertainment | 3 crs. |
| SMA 320 Facility Design and Management in Sport    | 3 crs. |
| SMA 330 Sport Economics and Finance                | 3 crs. |

**CRIMINAL JUSTICE & PUBLIC POLICY****CRIMINAL JUSTICE & PUBLIC POLICY MAJOR, 45 CRS.**

Concordia offers students interested in being a positive influence in making the world a safer and non-violent place to live, the opportunity to explore the exciting study of crime causation, criminal law, public policy and the justice system. Graduation from the program will lead to challenging and rewarding careers in law enforcement, criminal investigations, security management, custodial and community based corrections, intelligence operations, probation and parole and court administration. It will also provide an outstanding foundation for future study at graduate or law school. Credits necessary for graduation equal 126 credit hours. The major consists of 48 credits. The Criminal Justice and Public Policy program does not require a minor or the business core courses.

|                                  |        |
|----------------------------------|--------|
| JPP 102 Intro to Law Enforcement | 3 crs. |
| JPP 103 Criminology              | 3 crs. |
| JPP 104 Intro to Courts          | 3 crs. |
| JPP 110 Juvenile Theory          | 3 crs. |

|                                                    |        |
|----------------------------------------------------|--------|
| JPP 150 Intro to Probation and Parole              | 3 crs. |
| JPP 206 Intro to Corrections                       | 3 crs. |
| JPP 207 Substantive Criminal Law                   | 3 crs. |
| JPP 214 Criminal Investigations                    | 3 crs. |
| JPP 308 Procedural Criminal Law                    | 3 crs. |
| JPP 310 Administration Law                         | 3 crs. |
| JPP 311 Criminal Psychology                        | 3 crs. |
| JPP 399 Careers and Internship in Criminal Justice | 3 crs. |
| JPP 413 Stress Management                          | 3 crs. |
| JPP 415 Ethics in Criminal Justice                 | 3 crs. |

**CRIMINAL JUSTICE & PUBLIC POLICY MINOR, 18 CRS.**

|                                             |        |
|---------------------------------------------|--------|
| JPP 102 Intro to Law Enforcement            | 3 crs. |
| JPP 104 Introduction to Courts              | 3 crs. |
| JPP 150 Introduction to Probation & Parole  | 3 crs. |
| JPP 206 Introduction to Corrections         | 3 crs. |
| *Student chooses two additional JPP courses | 6 crs. |

## SCHOOL OF EDUCATION

### BACHELOR'S DEGREE PROGRAMS

Concordia's School of Education curriculum has been developed to be fully consistent and in compliance with all standards and requirements established by the Michigan State Department of Education, the National Council for Accreditation of Teacher Education (NCATE) and the professional organizations governing the content specialty areas of majors and minors. Successful completion of the curriculum qualifies candidates for the Bachelor of Arts Degree, teacher certification and, if desired, a Lutheran Teacher Diploma. The School of Education offers programs in the following areas: Elementary Teacher Education, Secondary Teacher Education, K-12 Teacher Education, Early Childhood Education and Family Life.

### POST-BACCALAUREATE TEACHER CERTIFICATION

The post-baccalaureate teacher certification plan is designed to enable individuals who have already earned a bachelor's degree to complete requirements for teacher certification in approximately four semesters. Following initial admission to the university, transcripts are evaluated by the Coordinator of Licensure and Certification to develop an individualized degree completion plan. A minimum of 6 credits in the field(s) of specialization must be taken at Concordia.

### SCHOOL OF EDUCATION MISSION STATEMENT

The School of Education equips and inspires Christian servant leaders to pursue integrity and excellence in the delivery of educational services within professional and lifelong learning throughout the world.

### CONCEPTUAL FRAMEWORK/PROGRAM OUTCOMES

The School of Education has created and adopted a set of program outcomes, providing a description of the knowledge, skills and dispositions candidates are expected to demonstrate in order to receive the recommendation for a state teaching certificate. Each candidate's progress towards achieving these outcomes is assessed and documented throughout the program and is the primary basis for determining admission and continuance in program, admission into the directed teaching experience, and program completion. The eleven program outcomes are:

**SL1. Caring Relationships** – Candidates establish caring, supportive relationships with students, families and colleagues

**SL2. Each Child** – Candidates model respect, acceptance and concern for individual students in the diverse classroom

**RP3. Disciplinary Knowledge** – Candidates demonstrate an in-depth knowledge of the skills and frameworks of their content areas appropriate to their certification

**RP4. Pedagogy** – Candidates understand and implement best practices of instruction

**RP5. Instruction** – Candidates deliver well-differentiated and well-aligned instruction that empowers students as learners

**RP6. Communication** – Candidates demonstrate effective communication skills to enhance teaching and learning

**RP7. Collaboration** – Candidates effectively collaborate to enhance student learning

**RP8. Classroom Culture** – Candidates assess and respond appropriately to the cultures of diverse classrooms, schools and the community

**RP9. Technology** – Candidates effectively utilize technology to support teaching and learning

**LL10. Learning Communities** – Candidates utilize best practices in developing learning communities within the classroom

**LL11. Professional Educator** – Candidates expand their professional knowledge, skills and dispositions

## FIELD & CLINICAL EXPERIENCES

Achievement of the program outcomes is best accomplished through frequent, intentional opportunities for teacher candidates to explore and develop them in interactions with children and exemplary teachers in diverse settings. Therefore, our programs involve a wide variety of Field Work experiences providing opportunities to observe, discuss and practice emerging skills and foster growth under the guidance of their mentoring teacher.

Candidates are expected to demonstrate a growing understanding of what it means to be a professional in dress, demeanor, disposition and relationships and to be a positive representative of Concordia University and the School of Education. They are expected to take seriously the need to be on time, to be respectful of the teaching and learning in the classroom, and to be conscientious regarding absences. The ability and readiness to demonstrate these examples of professionalism are addressed and assessed throughout the program.

### Field work Forms required:

- Background check
- Each semester student will submit Michigan Rule 101
- Each course with field work, student will submit Field Experience Approval Plan
- Each course with field work , student will submit Self-Evaluation
- Each course with field work, student will submit Cooperating Teacher Evaluation
- Each course with field work, student will submit a summary log report

School-based clinical experiences are part of the requirements for methods courses. With guidance, direction, and feedback from the course instructors, these experiences provide opportunities to practice and refine teaching skills, while also developing professional dispositions. Assessment rubrics for these activities will be completed by the course instructors and/or cooperating teachers. Selected rubrics will become part of the candidate's file for use in considering qualifications for admission to the professional semester/student teaching experience.

### Elementary Program:

The course requirements for the elementary teacher education program include methods courses (curriculum and instruction) in all of the content areas.

### Secondary & K-12 Program:

The course requirements for the secondary teacher education program include methods courses in the major and minor (if applicable).

## SCHEDULING FIELD BASED EXPERIENCES

The field work coordinator will provide site placement resources, appropriate forms, deadlines and manage compliancy.

Students will receive field work information within the first week of each term. Students are responsible to follow guidelines to find appropriate field work placement per course that requires field work assignments. Prior to student attending field work, student must submit the field work approval plan. Students are to conduct field work in a classroom setting with a licensed teacher. The teacher must obtain a current teaching certificate and have a minimum of five successful years of teaching experience.

## ELIGIBILITY FOR PARTICIPATION IN FIELD BASED ACTIVITIES

The practice of Michigan's Board of Education has been to deny, revoke or suspend a teaching certificate for misdemeanor or felony convictions involving criminal sexual conduct, convictions of child abuse, or distribution of a controlled substance to a minor. In response to the State's regulations (Rule 101.1) regarding such infractions, the School of Education requires all students participating in field based activities must complete a background check. The School of Education also requires students to complete a Rule 101.1 statement. The Statement is also a part of the application process for admission to program and the professional semester and when requesting a recommendation for certification.

If a candidate replies positively to any of statement's questions regarding conviction or charges related to felonies or certain misdemeanors, involvement in field-based experiences will be postponed until the Dean determines, in consultation with the Michigan Department of Education, whether the conviction or charge is serious enough to indicate the strong possibility of eventual denial of a teaching certificate by the State. If it is determined that such a possibility exists, the candidate may be denied the opportunity to participate in field-based experiences and will be counseled to withdraw from the teacher education program.



It is the candidate's responsibility to immediately report to the School of Education Dean any changes in previously submitted Rule 101.1 Statement responses.

All undergraduate education students who are involved in fieldwork through the Teacher Education courses are required to submit to a one-time criminal background check prior to placement in fieldwork. It is required that the background check be conducted through the *CertifiedBackground.com* service. (See the Student Instructions for Background Checks Concordia University—Ann Arbor, School of Education document for complete directions and additional information.) The background check results will be on file at CUAA and students are responsible for determining whether the school where they will be completing their fieldwork needs to have a verification of the background check. A verification form is available upon request from the Fieldwork Coordinator.

### APPLYING FOR ADMISSION & CERTIFICATION

The School of Education Dean is responsible for making final decisions regarding admission and program continuance, admission into the student teaching semester, and recommendation for state certification at program completion. In making all such decisions, the following are required and considered:

- Written application by the candidate.
- Written recommendation and support of faculty members.
- Documented evidence of the candidate's understanding of, continued progress towards, and successful achievement of the program outcomes.
- Satisfactory completion of all required coursework and clinical experiences.
- Evidence that the candidate exhibits appropriate professional behaviors, ethics, dispositions and character.

Specific criteria and processes for each step are described below. In addition, the Dean may request additional evidence including, but not limited to:

- Additional recommendations or letters of reference.
- Written statements in which the candidate expresses his/her understanding of the program outcomes, professionalism or other relevant issues.

### ADMISSION TO ELEMENTARY OR SECONDARY EDUCATION PROGRAMS

The following are requirements for admission into the Elementary or Secondary Education Program:

- A. Prerequisite courses and fieldwork:** To submit an application to a Teacher Education program, candidates must have satisfactorily completed or currently be completing the following prerequisite courses and their related field work experiences.

| <u>COURSE</u> |                          | <u>FIELDWORK ASSIGNMENTS</u> |
|---------------|--------------------------|------------------------------|
| EDU100        | Education Seminar        | 0                            |
| EDU220        | Foundations of Education | 5                            |
| EDU203        | Education Technology     | 0                            |
| EDU214        | Child Development        | 5                            |
| EDU348        | The Art of Teaching      | 5                            |
| EDU200        | Admit to Program Seminar | 0                            |

- B. Professional Readiness:** Candidates must demonstrate basic competency in reading, mathematics, and writing by passing all three sections of the "Professional Readiness Exam" of the Michigan Tests for Teacher Certification (MTTC). Satisfactory ACT, MME or a combination of all three may be used to demonstrate basic competency. Please see School of Education Academic Advisor for further information. Preparation and registration materials are available at [www.mttc.nesinc.com](http://www.mttc.nesinc.com). Tutorial support is available through Concordia's Academic Resources Center.
- C. Writing Sample:** Candidates must complete an extemporaneous writing assignment, which is assessed by the Dean. If the writing sample raises concerns about a candidate's writing ability, a plan for strengthening those skills must be prepared by the candidate and the Director of the Academic Resource Center and submitted for the Dean's approval. The candidate's eventual admission into the professional semester will be contingent upon successful completion of that plan.

- D. **GPA:** Candidates must hold a cumulative grade point average of 2.5 or higher in order to submit an application.
- E. **Faculty Recommendations:** Two positive recommendations from faculty members are required for admission. One must be prepared by an instructor from one of the prerequisite education courses (listed above) other than the program coordinator. The other is to be prepared by a faculty member offering the candidate's major or minor. Recommendation forms are available on the School of Education website and should be given directly to selected faculty members by the candidate.
- F. **Admission Interview:** Interviews are conducted by the Elementary or Secondary Education Coordinator and the Dean of the School of Education. They are scheduled by the EDU200 Admit to Program Seminar instructor.
- G. **Professional Organization Membership:** The candidate must submit evidence of current membership within a professional organization (regional, state or national) appropriate to his/her area of planned certification/endorsement
- H. Following the interview, all application materials submitted by the candidate, the interviewers' recommendations, and all other items in the candidate's SOE file will be reviewed by the Dean for final approval of admission. In each case, the candidate will either be admitted or denied admission. There are no conditional or provisional admission.

If denied admission, the Dean will inform the candidate in writing as to the reason. The candidate may appeal the decision in writing to the Vice President of Academics within two weeks from the time of notification.

### CONTINUANCE IN TEACHER EDUCATION PROGRAM

In order to maintain admission in the program, a cumulative GPA of 2.5 or better must be maintained. If a candidate's cumulative GPA falls below 2.5, admission to program will be immediately suspended and the candidate will be ineligible to continue in professional studies courses. Readmission may be granted by the Dean when the candidate achieves a cumulative GPA of 2.5 or higher. A GPA of 2.75 is required to student teach.

### THE STUDENT TEACHING SEMESTER

During the semester prior to student teaching, candidates will take EDU300: Professional Semester Seminar where they will apply for admission into the student teaching semester.

#### Requirements for Admission

- A. **Eligibility:** To be eligible to submit an application for student teaching, the candidate must have taken courses for at least one semester at Concordia; been admitted into an education program (elementary or secondary), successfully completed (or be completing) all prerequisite courses and clinical experiences and hold a cumulative grade point average of 2.75 or higher.
- B. **Faculty Recommendations:** Admission into the Student Teaching Semester requires positive recommendations from three faculty members. Elementary candidates should seek recommendations from two instructors of the school's methods courses (other than the program coordinator) and one instructor teaching within the candidate's academic major or minors. Secondary candidates need recommendations from one instructor of a secondary education methods course (other than the program coordinator) and one instructor each from his/her academic major and minor. Recommendation forms will be issued to students in EDU300 and should be given directly to selected faculty members by the candidate.
- C. **Other Application Materials:** Candidates are asked to include in the application materials a current resume and an indication of preferences for their directed teaching placement, using the "Student Teaching Preferences" form attached to the application.
- D. **Writing Sample:** Candidates must demonstrate an appropriate level of competence in writing ability by completing an extemporaneous writing assignment in their major content area. This will be completed during EDU300. The writing sample will be assessed by a professor in the candidate's major content area.
- E. **Professional Organization Membership:** The candidate must submit evidence of current membership within a professional organization (regional, state or national) appropriate to his/her area of planned certification/endorsement.
- F. **Student Teaching Semester Interview:** Interviews are conducted by an individual from outside of the university. The School of Education Dean and Coordinators will observe the interview. Interviews are scheduled by the School of Education Coordinators following confirmation of all requirements.
- G. **Michigan Tests for Teacher Certification:** Candidates are required to take and pass the appropriate content area MTTC tests in their program, major(s) and minor(s) prior to acceptance into the Student Teaching Semester. Elementary candidates must take the elementary education test in addition to any content tests. Secondary candidates must take the tests in their major. Minor content tests are optional.

Candidates are eligible to take the appropriate MTTC tests after having completed at least 80% of the coursework in their major/minor.

Following the interview, the Dean of the School of Education will review the candidate's application materials, faculty and interviewers' recommendations, and other materials contained in the candidate's School of Education file. A letter of acceptance or denial will be sent to the candidate by the Dean. Copies will be placed in the candidate's School of Education file and sent to his/her academic advisor. The university registrar also receives notification.

### **SELECTION/ASSIGNMENT OF STUDENT TEACHING SITES & MENTORS**

The School of Education has detailed criteria for the identification of schools and the selection of cooperating teachers chosen for Student Teaching. After interviewing each teacher candidate, the Program Coordinators will identify and assign student teaching placements. Only candidates working towards the Lutheran Teacher Diploma will be placed in The Lutheran Church-Missouri Synod schools as a part of the certification process for becoming a rostered teacher within the church.

### **PROGRAM COMPLETION & STATE CERTIFICATION**

#### **Requirements**

- A. Passing Scores on the Michigan Tests for Teacher Certification:** For program completion, Elementary Education candidates must achieve a passing score on the Elementary Education exam of the Michigan Test for Teacher Certification (MTTC). To add specialized endorsements to Michigan's elementary teacher's certificate, passing scores must also be achieved on the MTTC content area tests for the academic major and/or minors. Secondary candidates must achieve passing scores on the MTTC content area tests in both their academic major and minor areas. Candidates in the K-12 program must pass the MTTC for their content area. School of Education policy states that passing scores on the professional readiness exam (or sufficient scores on the ACT or MME) MTTC test is required for program completion, whether or not a candidate plans to request a Michigan certificate. It is therefore not possible to earn a BA Degree in Teacher Education from Concordia without passing MTTC scores.
- B. Documentation of Achievement of Program Outcomes:** At the completion of student teaching, each candidate's cooperating teacher(s) and university supervisor(s) will prepare final written evaluations. These assessments specifically note success in demonstrating the School of Education's eleven program outcomes and provides the primary basis for determining the final grade for the student teaching experience.
- C. Training in First Aid and CPR:** The State of Michigan requires that all candidates for a Michigan Teaching Certificate provide evidence of training in first aid and CPR. A photocopy of a current certificate from Red Cross or American Heart Association must be submitted during EDU300.
- D. Completion of Surveys:** Students are required to complete and submit all evaluation surveys at the end of their student teaching experience.
- E. Portfolio:** Each student who completes the education program will have completed an academic portfolio prior to graduation.

### **DEADLINE FOR REQUESTING CERTIFICATION**

All requirements for program completion must be completed within two years (24 months) of withdrawal from the university. Following that deadline, a candidate desiring to return and complete certification requirements will be required to meet any new or changed program requirements.

### **BECOMING CERTIFIED IN OTHER STATES**

Once all program requirements are completed, the candidate may submit a Request for Initial Teacher Certification on the State of Michigan's Online Educator Certification System (MOECS). When program completion and fulfillment of all requirements have been verified, the Coordinator of Licensure and Assessment will approve the candidate's request on MOECS.

**Rule 101.1 Exception:** In keeping with Michigan's Rule 101.1 regulations, if a candidate reports conviction for certain misdemeanors or felonies (specified in Michigan's Public Act 97 of the Public Acts of 1995,) detail must be noted in the submitted recommendation for certification. Receipt of certification will be delayed, pending the State Department's investigation of the case and final decision regarding certification. Failure to accurately or honestly report convictions or current charges while requesting a teaching certificate may serve as basis for a denial of certification.

## BACHELOR'S DEGREE IN ELEMENTARY EDUCATION

Completion of the elementary teacher education program, with a passing grade on the "Elementary Education" test of the Michigan Test for Teacher Certification (MTTC) leads to certification by the State of Michigan to teach all subjects in grades kindergarten to 5 and all subjects in grades 6 to 8 in self-contained classrooms. Passing the appropriate MTTC content area test also qualifies you to teach in a departmentalized program (grades 6 to 8) in the area(s) of your specialization (major or minors.)

The elementary education program consists of three components - General Studies, Professional Education Studies and Specialty Studies. Completion of an optional fourth component, the Lutheran Teacher Diploma requirements, certifies the candidate to serve in the teaching ministry of the Lutheran Church-Missouri Synod. The following chart outlines these components.

| ELEMENTARY EDUCATION REQUIRED COURSES                                                                      |                                              |    |                 |           |            |          |             | 2015-2016            |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------|----|-----------------|-----------|------------|----------|-------------|----------------------|
| STATE CODE: ZG                                                                                             |                                              |    |                 |           |            |          |             |                      |
| MTTC TEST: 103                                                                                             |                                              |    |                 |           |            |          |             | 61 CREDITS           |
| Course #                                                                                                   | Course Title                                 | CR | Term/Year Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites        |
| <b>Pre-Admission Courses</b>                                                                               |                                              |    |                 |           |            |          |             | <b>14 credits</b>    |
| EDU220*                                                                                                    | Foundations of Education                     | 3  |                 | X         | X          | X        | X           |                      |
| EDU100                                                                                                     | Education Seminar                            | 0  |                 | X         | X          | X        | X           |                      |
| EDU203                                                                                                     | Education Technology                         | 1  |                 | X         | X          | X        | X           |                      |
| EDU214*                                                                                                    | Child Development                            | 3  |                 | X         | X          | X        | X           |                      |
| EDU303                                                                                                     | Differentiating Instruction                  | 3  |                 | X         |            | X        |             |                      |
| EDU348                                                                                                     | The Art of Teaching                          | 4  |                 | X         | X          | X        | X           |                      |
| EDU200                                                                                                     | Admit to Program Seminar                     | 0  |                 | X         | X          | X        | X           |                      |
| <b>MTTC Professional Readiness Exam (or satisfactory ACT, MME scores, or a combination from all tests)</b> |                                              |    |                 |           |            |          |             |                      |
| <b>Post-Admission Courses</b>                                                                              |                                              |    |                 |           |            |          |             | <b>19 credits</b>    |
| EDU343                                                                                                     | Teaching Reading in the Elementary Classroom | 3  |                 | X         |            | X        |             | Admission into SOE   |
| EDU422                                                                                                     | C & I: Social Studies Education              | 3  |                 |           | X          |          | X           | Admission into SOE   |
| EDU344                                                                                                     | Teaching Struggling Readers/Writers          | 3  |                 |           | X          |          | X           | Admission into SOE   |
| EDU423                                                                                                     | C & I: Science Education                     | 3  |                 | X         |            | X        |             | Admission into SOE   |
| EDU424                                                                                                     | C & I: Math Education                        | 3  |                 | X         |            | X        |             | Admission into SOE   |
| EDU425                                                                                                     | C & I: Visual and Performing Arts            | 2  |                 |           | X          |          | X           | Admission into SOE   |
| EDU427                                                                                                     | C & I: Health/Physical Education             | 2  |                 |           | X          |          | X           | Admission into SOE   |
| EDU300                                                                                                     | Student Teaching Semester Seminar            | 0  |                 | X         | X          | X        | X           | Admission into SOE   |
| <b>Required General Studies Courses</b>                                                                    |                                              |    |                 |           |            |          |             | <b>13 credits</b>    |
| HIST153                                                                                                    | American Civilization Survey                 | 3  |                 |           | X          |          | X           |                      |
| MATH119                                                                                                    | Math for Teachers I                          | 3  |                 | X         |            | X        |             | Take prior to EDU424 |
| MATH120                                                                                                    | Math for Teachers II                         | 3  |                 |           | X          |          | X           | Take prior to EDU424 |
| SCI100                                                                                                     | Integrated Science                           | 4  |                 |           | X          |          | X           |                      |

|                                                                        |                                        |    |  |   |   |   |   |                                                                                                                                              |
|------------------------------------------------------------------------|----------------------------------------|----|--|---|---|---|---|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MTTC Content Area Test(s) (must pass prior to student teaching)</b> |                                        |    |  |   |   |   |   |                                                                                                                                              |
| <b>Student Teaching Experience</b>                                     |                                        |    |  |   |   |   |   | <b>15 credits</b>                                                                                                                            |
| EDU441                                                                 | Student Teaching Experience-Elementary | 15 |  | X | X | X | X | Completion of all SOE, major/minor, general studies coursework; successful completion of EDU300; passing scores on all required MTTC test(s) |
| <b>*counts toward General Studies Courses</b>                          |                                        |    |  |   |   |   |   |                                                                                                                                              |

## SPECIALTY STUDIES IN ELEMENTARY EDUCATION

Elementary education candidates must complete either a major or a major and a minor in addition to the full sequence of elementary education courses. Elementary Education students may select their major from the following areas: Integrated Science, Mathematics, Language Arts and Social Studies. Students may also choose one of the following as a minor: Early Childhood Education, ESL (English as a Second Language), Integrated Science, History, Language Arts, Mathematics, Physical Education and Spanish

## EARLY CHILDHOOD EDUCATION

### MAJOR (NON-CERTIFICATION)

Course offerings and multiple clinical experiences in the Early Childhood Education major will provide the candidate with comprehensive knowledge and understandings of the unique content, philosophy and pedagogy related to teaching young children in developmentally appropriate ways.

Candidates completing the early childhood major will be highly qualified to teach in any early childhood setting, including such programs as Head Start programs, GSRP or other government funded programs. Graduates will be highly qualified to teach in public or private child care orientated businesses, such as Lutheran Child Care settings affiliated with schools and/or churches.

| EARLY CHILDHOOD EDUCATION MAJOR |                                                         |    |                 |           |            |          |             | 2015-2016                        |
|---------------------------------|---------------------------------------------------------|----|-----------------|-----------|------------|----------|-------------|----------------------------------|
|                                 |                                                         |    |                 |           |            |          |             | 38 CREDITS                       |
| Course #                        | Course Title                                            | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                    |
| <b>Required Courses</b>         |                                                         |    |                 |           |            |          |             | <b>38 credits</b>                |
| ECE100                          | The Developing Child: Birth-age 8                       | 3  |                 |           | X          |          | X           | None                             |
| ECE201                          | Social foundation of Early Childhood Education          | 3  |                 | X         |            | X        |             | None                             |
| ECE250                          | Planning Curriculum and instruction for Young Children  | 3  |                 |           | X          |          | X           | ECE 201                          |
| ECE260                          | Health, Safety and Nutrition in Early Childhood         | 3  |                 |           | X          |          | X           |                                  |
| ECE300                          | Child Guidance and Classroom Management                 | 3  |                 | X         |            | X        |             |                                  |
| ECE310                          | Assessment of Young Children                            | 3  |                 |           | X          |          | X           | ECE 250<br>Do not take w/ECE 370 |
| ECE315                          | Learning through Creative Expression in Early Childhood | 2  |                 |           | X          |          | X           | ECE201, ECE250                   |
| ECE325                          | Teaching the Exceptional and Diverse Young Child        | 3  |                 | X         |            | X        |             |                                  |

|        |                                                                    |   |  |   |   |   |   |                                                        |
|--------|--------------------------------------------------------------------|---|--|---|---|---|---|--------------------------------------------------------|
| ECE330 | Math & Science for Young Children                                  | 2 |  | X |   | X |   | ECE201, ECE250                                         |
| ECE345 | Emergent Literacy in Early Childhood Education                     | 2 |  |   | X |   | X | ECE201, ECE250                                         |
| ECE370 | Parent, School, Family & Community Partnerships in Early Childhood | 3 |  |   | X |   | X | ECE 250<br>Do not take w/ ECE 310                      |
| ECE405 | Early Childhood Education Program Administration                   | 3 |  | X |   | X |   | ECE201, ECE250, ECE330, completion of 80% of ECE major |
| ECE425 | Seminar & Practicum in Infants and Toddler                         | 3 |  | X |   | X |   |                                                        |
| ECE450 | Early Childhood Practicum                                          | 2 |  | X | X | X | X | ECE201, ECE250, ECE330, completion of 80% of ECE major |

### MINOR (LEADS TO CERTIFICATION)

Course offerings and multiple clinical experiences in the Early Childhood Education minor provide the candidate with comprehensive knowledge and understandings of the unique content, philosophy and pedagogy related to teaching young children in developmentally appropriate ways. Building upon Concordia's strong elementary education program, the Early Childhood Education Program provides candidates a coherent, complementary minor which extends and refines their knowledge, skills and dispositions for working successfully in preschool, child care programs, and early elementary school settings. Completion makes the candidate eligible for the State of Michigan's Early Childhood Education endorsement (ZS) on the elementary education teaching certificate.

| EARLY CHILDHOOD EDUCATION MINOR |                                                                    |    |                 |           |            |          |             | 2015-2016                                                                           |
|---------------------------------|--------------------------------------------------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------------------------------------------------------------------------|
| STATE ENDORSEMENT CODE: ZS      |                                                                    |    |                 |           |            |          |             |                                                                                     |
| MTTC TEST CODE: 106             |                                                                    |    |                 |           |            |          |             | 22 CREDITS                                                                          |
| Course #                        | Course Title                                                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                                                       |
| <b>Required Courses</b>         |                                                                    |    |                 |           |            |          |             | <b>22 credits</b>                                                                   |
| ECE201                          | Social foundation of Early Childhood Education                     | 3  |                 | X         |            | X        |             |                                                                                     |
| ECE250                          | Planning Curriculum and instruction for Young Children             | 3  |                 |           | X          |          | X           |                                                                                     |
| ECE310                          | Assessment of Young Children                                       | 3  |                 |           | X          |          | X           | Do not take w/ECE 370                                                               |
| ECE315                          | Learning through Creative Expression in Early Childhood            | 2  |                 |           | X          |          | X           | ECE201, ECE250                                                                      |
| ECE330                          | Math & Science for Young Children                                  | 2  |                 | X         |            | X        |             | ECE201, ECE250                                                                      |
| ECE345                          | Emergent Literacy in Early Childhood Education                     | 2  |                 |           | X          |          | X           | ECE201, ECE250                                                                      |
| ECE370                          | Parent, School, Family & Community Partnerships in Early Childhood | 3  |                 |           | X          |          | X           | Do not take w/ ECE 310                                                              |
| ECE405                          | Early Childhood Education Program Administration                   | 2  |                 | X         |            | X        |             | ECE201, ECE250, ECE330                                                              |
| ECE450                          | Early Childhood Practicum                                          | 2  |                 | X         | X          | X        | X           | Admitted to SOE: Elementary, ECE201, ECE250, ECE330, completion of 80% of ECE minor |

(This minor must be combined with a major from the following: Integrated Science, Language Arts, Mathematics or Social Studies)

## HISTORY

History may be defined as the recorded expression of past human activity. It includes the record of the political, social, and economic aspects of a people, as well as their artistic products, intellectual activities, scientific progress, and religious beliefs. Courses in this area attempt to underline the broad scope of history in all activities of men and women.

| <b>HISTORY MINOR: ELEMENTARY EDUCATION</b>     |                    |    |                 |           |            |          |             | 2015-2016         |
|------------------------------------------------|--------------------|----|-----------------|-----------|------------|----------|-------------|-------------------|
| STATE ENDORSEMENT CODE: CC                     |                    |    |                 |           |            |          |             |                   |
| <b>MTTC TEST CODE: 009</b>                     |                    |    |                 |           |            |          |             | <b>21 CREDITS</b> |
| Course #                                       | Course Title       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites     |
| <b>Required Courses</b>                        |                    |    |                 |           |            |          |             |                   |
| <b>U.S. History</b>                            |                    |    |                 |           |            |          |             | <b>3 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
| <b>European History</b>                        |                    |    |                 |           |            |          |             | <b>3 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
| <b>Non-Western/Global History</b>              |                    |    |                 |           |            |          |             | <b>6 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
| HIST385                                        | Historical Methods | 3  |                 | X         |            | X        |             |                   |
| <b>Select Emphasis Area (one)</b>              |                    |    |                 |           |            |          |             |                   |
| <b>Emphasis in American History</b>            |                    |    |                 |           |            |          |             |                   |
| <b>U.S. History</b>                            |                    |    |                 |           |            |          |             | <b>6 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
|                                                |                    | 3  |                 |           |            |          |             |                   |
| <b>European or Non-Western /Global History</b> |                    |    |                 |           |            |          |             | <b>3 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
| <b>Emphasis in European History</b>            |                    |    |                 |           |            |          |             |                   |
| <b>European History</b>                        |                    |    |                 |           |            |          |             | <b>6 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
|                                                |                    | 3  |                 |           |            |          |             |                   |
| <b>U.S. or Non-Western /Global History</b>     |                    |    |                 |           |            |          |             | <b>3 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
| <b>Emphasis in Global History</b>              |                    |    |                 |           |            |          |             |                   |
| <b>Non-Western/Global History</b>              |                    |    |                 |           |            |          |             | <b>6 credits</b>  |
|                                                |                    | 3  |                 |           |            |          |             |                   |
|                                                |                    | 3  |                 |           |            |          |             |                   |

(This minor must be combined with a major from the following: Integrated Science, Language Arts, Mathematics or Social Studies)

## INTEGRATED SCIENCE

The Integrated Science Major combined with the requirements of Concordia's Elementary Education Program prepares students to become effective science teachers. Students will learn the necessary science content from professors who model effective science teaching, learn the best practices in education and engage in numerous hours of field work in area classrooms. Once completed, students will know and be able to apply the fundamental concepts in the physical, life, and Earth /space sciences. They will understand the nature of science, its unifying concepts, and the inquiry process scientists use to discover new knowledge and they will use this knowledge to enable future students to build a base for scientific and technological literacy. This course of study will prepare students for the Michigan Test of Teacher Certification (MTTC) and meets all of the requirements set by the Michigan Department of Education (MDE) and National Science Teachers Association (NSTA) necessary for certification.

| INTEGRATED SCIENCE MAJOR: ELEMENTARY EDUCATION |                                     |    |                 |           |            |          |             | 2015-2016                                                                                                                      |
|------------------------------------------------|-------------------------------------|----|-----------------|-----------|------------|----------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| STATE ENDORSEMENT CODE: DI                     |                                     |    |                 |           |            |          |             |                                                                                                                                |
| MTTC TEST CODE: 093                            |                                     |    |                 |           |            |          |             | 47 CREDITS                                                                                                                     |
| Course #                                       | Course Title                        | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                                                                                                  |
| <b>Science Core</b>                            |                                     |    |                 |           |            |          |             | <b>3 credits</b>                                                                                                               |
| SCI250                                         | Nature of Science (w)               | 3  |                 | X         | X          | X        | X           | BIO100 or 2 years of H.S. Biology with a B- average and ENG104                                                                 |
| BIO/CHEM490                                    | Science Senior Seminar              | 2  |                 | X         | X          | X        | X           | Senior Standing, Instructor's Permission; One credit for each semester                                                         |
| <b>Biology Core</b>                            |                                     |    |                 |           |            |          |             | <b>17 credits</b>                                                                                                              |
| BIO410                                         | Ecology                             | 4  |                 |           |            | X        |             | BIO240, BIO244 and MATH121                                                                                                     |
| BIO348                                         | Genetics                            | 4  |                 | X         |            |          |             | BIO100                                                                                                                         |
| SCI275                                         | Cosmogony (w)                       | 3  |                 |           |            |          | X           | 1 BIO, CHEM, or PHYS course                                                                                                    |
| BIO244                                         | Botany                              | 4  |                 |           |            | X        |             | BIO100                                                                                                                         |
| BIO240                                         | Zoology                             | 4  |                 |           | X          |          |             | BIO100                                                                                                                         |
| <b>Chemistry Component</b>                     |                                     |    |                 |           |            |          |             | <b>8 credits</b>                                                                                                               |
| CHEM141                                        | General Chemistry I                 | 4  |                 | X         |            | X        |             | CHEM100 or 1 year H.S. Chemistry with a B- average, 2 years H.S. Algebra with a B- average or concurrent enrollment in MATH128 |
| <b>Select one of the following courses:</b>    |                                     |    |                 |           |            |          |             |                                                                                                                                |
| CHEM105                                        | Elements of General & Bio Chemistry | 4  |                 |           | X          |          |             | MATH121                                                                                                                        |
| CHEM142                                        | General Chemistry II                | 4  |                 |           | X          |          | X           | CHEM141                                                                                                                        |
| <b>Physics Component</b>                       |                                     |    |                 |           |            |          |             | <b>8 credits</b>                                                                                                               |
| PHYS151                                        | General Physics I                   | 4  |                 | X         |            | X        |             | PHYS121 (or sufficient H.S. Physics & Pre-Calculus) MATH128                                                                    |
| PHYS152                                        | General Physics II                  | 4  |                 |           | X          |          | X           | PHYS151                                                                                                                        |
| <b>Earth Science Component</b>                 |                                     |    |                 |           |            |          |             | <b>11 credits</b>                                                                                                              |
| SCI235                                         | Earth Science                       | 4  |                 |           | X          |          |             | None                                                                                                                           |
| SCI215                                         | Atmospheric & Space Science         | 3  |                 |           |            |          | X           | None                                                                                                                           |
| BIO256                                         | Environmental Science               | 4  |                 | X         |            |          |             | BIO100 or 2 years of H.S. Biology with a B- average                                                                            |



| INTEGRATED SCIENCE MINOR: ELEMENTARY EDUCATION |                             |    |                 |           |            |          | 2015-2016   |                                                                                                                              |  |
|------------------------------------------------|-----------------------------|----|-----------------|-----------|------------|----------|-------------|------------------------------------------------------------------------------------------------------------------------------|--|
| STATE ENDORSEMENT CODE: DI                     |                             |    |                 |           |            |          |             |                                                                                                                              |  |
| MTTC TEST CODE: 093                            |                             |    |                 |           |            |          | 34 CREDITS  |                                                                                                                              |  |
| Course #                                       | Course Title                | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                                                                                                |  |
| <b>Science Core</b>                            |                             |    |                 |           |            |          |             | <b>3 credits</b>                                                                                                             |  |
| SCI250                                         | Nature of Science (w)       | 3  |                 | X         | X          | X        | X           | BIO100 or 2 years of H.S. Biology with a B-average and ENG104                                                                |  |
| <b>Biology Core</b>                            |                             |    |                 |           |            |          |             | <b>11 credits</b>                                                                                                            |  |
| BIO410                                         | Ecology                     | 4  |                 |           |            | X        |             | BIO240, BIO244 and MATH121                                                                                                   |  |
| SCI275                                         | Cosmogony (w)               | 3  |                 |           |            |          | X           | 1 BIO, CHEM, or PHYS course                                                                                                  |  |
| <b>Select one of the following courses:</b>    |                             |    |                 |           |            |          |             |                                                                                                                              |  |
| BIO244                                         | Botany                      | 4  |                 |           |            | X        |             | BIO100                                                                                                                       |  |
| BIO240                                         | Zoology                     | 4  |                 |           | X          |          |             | BIO100                                                                                                                       |  |
| BIO348                                         | Genetics                    | 4  |                 | X         |            |          |             | BIO100, SCI250                                                                                                               |  |
| <b>Chemistry Component</b>                     |                             |    |                 |           |            |          |             | <b>4 credits</b>                                                                                                             |  |
| CHEM141                                        | Chemistry I                 | 4  |                 | X         |            | X        |             | CHEM100 or 1 year H.S. Chemistry with a B-average, 2 years H.S. Algebra with a B-average or concurrent enrollment in MATH128 |  |
| <b>Physics Component</b>                       |                             |    |                 |           |            |          |             | <b>8 credits</b>                                                                                                             |  |
| PHYS151                                        | Physics I                   | 4  |                 | X         |            | X        |             | PHYS121 (or sufficient H.S. Physics & Pre-Calculus) MATH128                                                                  |  |
| PHYS152                                        | Physics II                  | 4  |                 |           | X          |          | X           | PHYS151                                                                                                                      |  |
| <b>Earth Science Component</b>                 |                             |    |                 |           |            |          |             | <b>7-8 credits</b>                                                                                                           |  |
| BIO256                                         | Environmental Science       | 4  |                 | X         |            |          |             | BIO100 or 2 years of H.S. Biology with a B-average                                                                           |  |
| <b>Select one of the following courses:</b>    |                             |    |                 |           |            |          |             |                                                                                                                              |  |
| SCI235                                         | Earth Science               | 4  |                 |           | X          |          |             | None                                                                                                                         |  |
| SCI215                                         | Atmospheric & Space Science | 3  |                 |           |            |          | X           | None                                                                                                                         |  |

(This minor must be combined with a major from the following: Language Arts, Mathematics or Social Studies)

## LANGUAGE ARTS

| LANGUAGE ARTS MAJOR: ELEMENTARY EDUCATION               |                                    |    |                 |           |            |          | 2015-2016   |                                           |
|---------------------------------------------------------|------------------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------------------------------|
| STATE ENDORSEMENT CODE: BX                              |                                    |    |                 |           |            |          |             |                                           |
| MTTC TEST CODE: 090                                     |                                    |    |                 |           |            |          | 42 CREDITS  |                                           |
| Course #                                                | Course Title                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                             |
| <b>Required Courses</b>                                 |                                    |    |                 |           |            |          |             | <b>33 credits</b>                         |
| COMM201                                                 | Interpersonal Communication        | 3  |                 | X         |            | X        |             |                                           |
| COMM327                                                 | Storytelling & Oral Histories (w)  | 3  |                 |           | X          |          | X           |                                           |
| COMM250                                                 | Mass Communications                | 3  |                 | X         |            | X        |             |                                           |
| EDU362                                                  | Teaching the Writer's Craft        | 3  |                 | X         |            | X        |             | EDU343, EDU348                            |
| EDU364                                                  | Teaching English Language Learners | 3  |                 |           | X          |          | X           | Admitted to the SOE: Elementary           |
| ENG245                                                  | Advanced Writing (w)               | 3  |                 |           | X          |          | X           | ENG104                                    |
| ENG315                                                  | American Ethnic Literatures        | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| ENG305                                                  | English Grammar & Usage            | 3  |                 |           |            | X        |             | ENG104                                    |
| ENG465                                                  | Shakespeare (w)                    | 3  |                 | X         |            | X        |             | ENG103, ENG104                            |
| LAN435                                                  | Literature for Young Adults        | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| LAN437                                                  | Children's Literature              | 3  |                 | X         |            | X        |             | ENG103, ENG104                            |
| <b>Electives</b>                                        |                                    |    |                 |           |            |          |             | <b>6 credits</b>                          |
| <b>Select two (6 credits) of the following courses:</b> |                                    |    |                 |           |            |          |             |                                           |
| ENG344                                                  | English Literature I               | 3  |                 | X         |            |          |             | ENG103, ENG104                            |
| ENG345                                                  | English Literature II              | 3  |                 |           | X          |          |             | ENG103, ENG104                            |
| ENG341                                                  | American Literature I (w)          | 3  |                 |           |            | X        |             | ENG103, ENG104                            |
| ENG342                                                  | American Literature II (w)         | 3  |                 | X         |            |          |             | ENG103, ENG104                            |
| ENG347                                                  | World Literature I                 | 3  |                 |           | X          |          |             | ENG103, ENG104                            |
| ENG348                                                  | World Literature II                | 3  |                 |           |            |          | X           | ENG103, ENG104                            |
| <b>Senior Project</b>                                   |                                    |    |                 |           |            |          |             | <b>3 credit</b>                           |
| LAN495                                                  | Senior Seminar                     | 3  |                 | X         | X          | X        | X           | Senior Standing & Instructor's Permission |
|                                                         |                                    |    |                 |           |            |          |             |                                           |

| LANGUAGE ARTS MINOR: ELEMENTARY EDUCATION                    |                                    |    |                 |           |            |          |             | 2015-2016                                 |
|--------------------------------------------------------------|------------------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------------------------------|
| STATE ENDORSEMENT CODE: BX                                   |                                    |    |                 |           |            |          |             |                                           |
| MTTC TEST CODE: 090                                          |                                    |    |                 |           |            |          |             | <b>30 CREDITS</b>                         |
| Course #                                                     | Course Title                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                             |
| <b>Required Courses</b>                                      |                                    |    |                 |           |            |          |             | <b>24 credits</b>                         |
| COMM327                                                      | Storytelling & Oral Histories (w)  | 3  |                 |           | X          |          | X           |                                           |
| COMM250                                                      | Mass Communications                | 3  |                 | X         |            | X        |             |                                           |
| EDU362                                                       | Teaching the Writer's Craft        | 3  |                 | X         |            | X        |             | EDU343, EDU348                            |
| EDU364                                                       | Teaching English Language Learners | 3  |                 |           | X          |          | X           | Admitted to the SOE: Elementary           |
| ENG245                                                       | Advanced Writing (w)               | 3  |                 |           | X          |          | X           | ENG104                                    |
| ENG321                                                       | English Grammar & Usage            | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| LAN437                                                       | Children's Literature              | 3  |                 | X         |            | X        |             | ENG103, ENG104                            |
| <b>Electives</b>                                             |                                    |    |                 |           |            |          |             | <b>3 credits</b>                          |
| <b>Select one of the following courses:</b>                  |                                    |    |                 |           |            |          |             |                                           |
| ENG344                                                       | English Literature I               | 3  |                 | X         |            | X        |             | ENG103, ENG104                            |
| ENG345                                                       | English Literature II              | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| ENG341                                                       | American Literature I (w)          | 3  |                 | X         |            | X        |             | ENG103, ENG104                            |
| ENG342                                                       | American Literature II (w)         | 3  |                 |           |            |          |             | ENG103, ENG104                            |
| ENG347                                                       | World Literature I                 | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| ENG348                                                       | World Literature I                 | 3  |                 |           |            |          |             | ENG103, ENG104                            |
| LAN435                                                       | Literature for Young Adults        | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| <b>Senior Project (this minor requires a senior project)</b> |                                    |    |                 |           |            |          |             | <b>3 credits</b>                          |
| LAN495                                                       | Senior Seminar                     | 3  |                 | X         | X          | X        | X           | Senior Standing & Instructor's Permission |

(This minor must be combined with a major from the following: Integrated Science, Mathematics, Social Studies)

## MATHEMATICS

| MATHEMATICS MAJOR: ELEMENTARY EDUCATION |                                    |    |                 |           |            |          |             | 2015-2016                                              |
|-----------------------------------------|------------------------------------|----|-----------------|-----------|------------|----------|-------------|--------------------------------------------------------|
| STATE ENDORSEMENT CODE: EX              |                                    |    |                 |           |            |          |             |                                                        |
| MTTC TEST CODE: 089                     |                                    |    |                 |           |            |          |             | <b>42 CREDITS</b>                                      |
| Course #                                | Course Title                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                          |
| <b>Required Courses</b>                 |                                    |    |                 |           |            |          |             | <b>39 credits</b>                                      |
| CSC250                                  | Computer Science Theory & Practice | 3  |                 | X         |            | X        |             | MATH128, MATH150 or equivalent pre-calculus coursework |
| MATH201                                 | Calculus I                         | 4  |                 | X         |            | X        |             | MATH128, MATH150 or equivalent pre-calculus coursework |
| MATH202                                 | Calculus II                        | 4  |                 |           | X          |          | X           | MATH201                                                |
| MATH203                                 | Calculus III                       | 4  |                 | X         |            | X        |             | MATH202                                                |
| MATH205                                 | Statistics I                       | 3  |                 | X         | X          | X        | X           | MATH121                                                |
| MATH220                                 | Discrete Mathematics               | 3  |                 | X         |            | X        |             | MATH201, CSC250                                        |

|                       |                          |   |  |   |   |   |   |                                                                          |
|-----------------------|--------------------------|---|--|---|---|---|---|--------------------------------------------------------------------------|
| MATH231               | Linear Algebra           | 3 |  |   | X |   | X |                                                                          |
| MATH321               | Abstract Algebra         | 3 |  |   |   | X |   | MATH202                                                                  |
| MATH331               | Geometry                 | 3 |  | X |   |   |   | MATH202                                                                  |
| MATH341               | Differential Equations   | 3 |  |   | X |   | X | MATH202                                                                  |
| MATH441               | Real Analysis            | 3 |  |   |   |   | X | MATH203                                                                  |
| MATH461               | Probability & Statistics | 3 |  |   | X |   |   | MATH203                                                                  |
| <b>Senior Project</b> |                          |   |  |   |   |   |   | <b>3 credits</b>                                                         |
| MATH490               | Senior Seminar           | 3 |  | X | X | X | X | Senior Standing, 24 credits completed in major & Instructor's Permission |

| <b>MATHEMATICS MINOR: ELEMENTARY EDUCATION</b> |                                    |           |                        |                  |                   |                 |                    | 2015-2016                                              |
|------------------------------------------------|------------------------------------|-----------|------------------------|------------------|-------------------|-----------------|--------------------|--------------------------------------------------------|
| STATE ENDORSEMENT CODE: EX                     |                                    |           |                        |                  |                   |                 |                    |                                                        |
| MTTC TEST CODE: 089                            |                                    |           |                        |                  |                   |                 |                    | <b>24 CREDITS</b>                                      |
| <b>Course #</b>                                | <b>Course Title</b>                | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall ODD</b> | <b>Spring EVEN</b> | <b>Prerequisites</b>                                   |
| <b>Required Courses</b>                        |                                    |           |                        |                  |                   |                 |                    | <b>18 credits</b>                                      |
| CSC250                                         | Computer Science Theory & Practice | 3         |                        | X                |                   | X               |                    | MATH128, MATH150 or equivalent pre-calculus coursework |
| MATH201                                        | Calculus I                         | 4         |                        | X                |                   | X               |                    | MATH128, MATH150 or equivalent pre-calculus coursework |
| MATH202                                        | Calculus II                        | 4         |                        |                  | X                 |                 | X                  | MATH201                                                |
| MATH203                                        | Calculus III                       | 4         |                        | X                |                   | X               |                    | MATH202                                                |
| MATH205                                        | Statistics I                       | 3         |                        | X                | X                 | X               | X                  | MATH121                                                |
| <b>Electives (choose 6 credits)</b>            |                                    |           |                        |                  |                   |                 |                    | <b>6 credits</b>                                       |
| MATH220                                        | Discrete Mathematics               | 3         |                        |                  |                   |                 |                    | MATH201, CSC250                                        |
| MATH231                                        | Linear Algebra                     | 3         |                        |                  |                   |                 |                    |                                                        |
| MATH321                                        | Abstract Algebra                   | 3         |                        |                  |                   | X               |                    | MATH202                                                |
| MATH331                                        | Geometry                           | 3         |                        | X                |                   |                 |                    | MATH202                                                |
| MATH341                                        | Differential Equations             | 3         |                        |                  | X                 |                 | X                  | MATH202                                                |
| MATH441                                        | Real Analysis                      | 3         |                        |                  |                   |                 | X                  | MATH203                                                |
| MATH305                                        | Probability & Statistics           | 3         |                        |                  | X                 |                 |                    | MATH203                                                |

(This minor must be combined with a major from the following: Integrated Science, Language Arts or Social Studies)

## PHYSICAL EDUCATION

| PHYSICAL EDUCATION MINOR-SECONDARY EDUCATION          |                                            |    |                 |           |            |          |             | 2015-2016         |
|-------------------------------------------------------|--------------------------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------|
| STATE ENDORSEMENT CODE: MB                            |                                            |    |                 |           |            |          |             |                   |
| MTTC TEST CODE: 044                                   |                                            |    |                 |           |            |          |             | 29 CREDITS        |
| Course #                                              | Course Title                               | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites     |
| <b>Required Courses</b>                               |                                            |    |                 |           |            |          |             | <b>17 credits</b> |
| BIO181                                                | Functional Anatomy & Physiology I          | 4  |                 |           | X          |          | X           | BIO100            |
| HHP202                                                | Introduction to Kinesiology                | 3  |                 | X         |            | X        |             | None              |
| HHP373                                                | Motor Development                          | 3  |                 |           | X          |          |             | None              |
| HHP375                                                | Biomechanics                               | 3  |                 |           | X          |          | X           | PHYS151           |
| HHP371                                                | Exercise Physiology I                      | 4  |                 | X         |            | X        |             | BIO181            |
| <b>Select six credits from the following courses:</b> |                                            |    |                 |           |            |          |             | <b>6 credits</b>  |
| HHP272                                                | Introduction to Athletic Training          | 3  |                 |           | X          |          | X           | None              |
| HHP412                                                | Adapted Physical Education                 | 3  |                 |           |            |          | X           | None              |
| HHP350                                                | Coaching Methods                           | 3  |                 |           | X          |          | X           | None              |
| HHP410                                                | Measurements and Evaluation in Health & PE | 3  |                 | X         |            | X        |             | MATH205           |
| HHP450                                                | Curriculum and Methods of Health Education | 3  |                 | X         |            | X        |             | None              |
| <b>Select six credits from the following courses:</b> |                                            |    |                 |           |            |          |             | <b>6 credits</b>  |
| HHP250                                                | Teaching Core Activities II Recreation     | 3  |                 |           |            | X        |             | None              |
| HHP355                                                | Teaching Core Activities III               | 3  |                 |           |            | X        |             | None              |
| HHP356                                                | Teaching Core Activities IV                | 3  |                 |           |            |          | X           | None              |

## SOCIAL STUDIES

| SOCIAL STUDIES MAJOR: ELEMENTARY EDUCATION |                        |    |                 |           |            |          |             | 2015-2016         |
|--------------------------------------------|------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------|
| STATE ENDORSEMENT CODE: RX                 |                        |    |                 |           |            |          |             |                   |
| MTTC TEST CODE: 105                        |                        |    |                 |           |            |          |             | 37 CREDITS        |
| Course #                                   | Course Title           | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites     |
| <b>Required Courses</b>                    |                        |    |                 |           |            |          |             | <b>24 credits</b> |
| ECON222                                    | Micro-Economics        | 3  |                 |           |            |          |             |                   |
| ECON231                                    | Macro-Economics        | 3  |                 |           |            |          |             |                   |
| GEOG 220                                   | Cultural Geography     | 3  |                 |           |            |          |             |                   |
| GEOG ____                                  | Geography Elective     | 3  |                 |           |            |          |             |                   |
| HIST103                                    | Worldview: History     | 3  |                 |           |            |          |             |                   |
| HIST153                                    | American Civilizations | 3  |                 |           |            |          |             |                   |
| POLS201                                    | American Government    | 3  |                 |           |            |          |             |                   |

|                                                                                                                                                                                     |                               |   |  |   |   |   |   |                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---|--|---|---|---|---|-------------------------------------------|
| POLS____                                                                                                                                                                            | Upper Level Political Science | 3 |  |   |   |   |   |                                           |
| <b>Electives</b>                                                                                                                                                                    |                               |   |  |   |   |   |   | <b>12 credits</b>                         |
| Select a minimum of 12 credits from courses with the following prefixes:<br>ECON<br>GEOG<br>HIST<br>POLS<br>PSY101 General Psychology<br>SOC<br>(SOC255: Urban Society Recommended) |                               |   |  |   |   |   |   |                                           |
|                                                                                                                                                                                     |                               |   |  |   |   |   |   |                                           |
|                                                                                                                                                                                     |                               |   |  |   |   |   |   |                                           |
|                                                                                                                                                                                     |                               |   |  |   |   |   |   |                                           |
| <b>Senior Project</b>                                                                                                                                                               |                               |   |  |   |   |   |   | <b>1 credits</b>                          |
| SSC490                                                                                                                                                                              | Senior Seminar                | 1 |  | X | X | X | X | Senior Standing & Instructor's Permission |

## SPANISH

| <b>SPANISH MINOR: ELEMENTARY EDUCATION</b> |                                    |           |                        |                  |                   |                 |                    | <b>2015-2016</b>                               |
|--------------------------------------------|------------------------------------|-----------|------------------------|------------------|-------------------|-----------------|--------------------|------------------------------------------------|
| <b>STATE ENDORSEMENT CODE: FF</b>          |                                    |           |                        |                  |                   |                 |                    |                                                |
| <b>MTTC TEST CODE: 028</b>                 |                                    |           |                        |                  |                   |                 |                    | <b>24 CREDITS</b>                              |
| <b>Course #</b>                            | <b>Course Title</b>                | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall ODD</b> | <b>Spring EVEN</b> | <b>Prerequisites</b>                           |
| <b>Required Courses</b>                    |                                    |           |                        |                  |                   |                 |                    | <b>18 credits</b>                              |
| SPAN201                                    | Intermediate Spanish I             | 3         |                        |                  |                   |                 |                    | SPAN102 or 3 years of previous Spanish courses |
| SPAN202                                    | Intermediate Spanish II            | 3         |                        |                  |                   |                 |                    | SPAN201 or 4 years of previous Spanish courses |
| SPAN301                                    | Spanish Conversation & Composition | 3         |                        |                  |                   |                 |                    | SPAN202 or 4 years of previous Spanish courses |
| SPAN307                                    | Applied Linguistics                | 3         |                        |                  |                   |                 |                    | SPAN301 or Consent of Instructor               |
| SPAN331                                    | Advanced Grammar and Composition   | 3         |                        |                  |                   |                 |                    | SPAN301 or Consent of Instructor               |
| <b>Electives (choose 6 credits)</b>        |                                    |           |                        |                  |                   |                 |                    | <b>6 credits</b>                               |
|                                            |                                    |           |                        |                  |                   |                 |                    |                                                |
|                                            |                                    |           |                        |                  |                   |                 |                    |                                                |

## BACHELOR'S DEGREE IN K-12 EDUCATION

Completion of the following courses, in addition to passing the appropriate Michigan Test for Teacher Certification (MTTC), leads to certification by the State of Michigan to teach grades K-12 in visual art or music. The candidate will complete the program and be eligible to apply for a secondary education certificate. Should the candidate also elect an additional major or a minor, the major or minor will be included on the secondary certificate (grades 6-12). The candidate must pass the appropriate MTTC for all certificate areas which will be included on the license. In order to be eligible for graduation with a bachelor's degree in education (K-12), the candidate must pass the visual art or music MTTC test. Selecting an additional major or minor in the K-12 program is optional. Students should allow for more time to complete their studies should they elect to add additional major or minor to the K-12 programs. Candidates electing to complete an additional major or minor will need to complete the appropriate methods courses and an additional 15 week internship.

### K-12 VISUAL ART

| K-12 VISUAL ART                                                                 |                                                |     |                 |           |            |          |             | 2015-2016                                            |
|---------------------------------------------------------------------------------|------------------------------------------------|-----|-----------------|-----------|------------|----------|-------------|------------------------------------------------------|
| STATE ENDORSEMENT CODE: LQ                                                      |                                                |     |                 |           |            |          |             |                                                      |
| MTTC TEST CODE: 095                                                             |                                                |     |                 |           |            |          |             | 106 CREDITS                                          |
| Course #                                                                        | Course Title                                   | CR  | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                        |
| <b>Required Courses</b>                                                         |                                                |     |                 |           |            |          |             | <b>39 credits</b>                                    |
| EDU100                                                                          | Education Seminar                              | 0   |                 | X         |            | X        |             | Take with EDU220                                     |
| EDU200                                                                          | Admit to Program Seminar                       | 0   |                 | X         | X          | X        | X           | Take semester prior to taking post admit EDU courses |
| EDU203                                                                          | Education Technology                           | 1   |                 | X         | X          | X        | X           |                                                      |
| EDU220                                                                          | Foundations of Education                       | 3   |                 | X         |            | X        |             |                                                      |
| EDU214                                                                          | Child Development                              | 3   |                 | X         | X          | X        | X           |                                                      |
| EDU303                                                                          | Differentiating Instruction                    | 3   |                 | X         | X          | X        | X           |                                                      |
| EDU321*                                                                         | Professional Practices in Art Education        | 1   |                 |           |            |          |             |                                                      |
| EDU322*                                                                         | Philosophy of Art Education                    | 1   |                 |           |            |          |             |                                                      |
| <b>*These courses can be taken at any time prior to the internship semester</b> |                                                |     |                 |           |            |          |             |                                                      |
| EDU348                                                                          | The Art of Teaching                            | 4   |                 | X         | X          | X        | X           | Admission to SOE                                     |
| EDU438                                                                          | Content Area Reading (w)                       | 3   |                 | X         |            | X        |             | Admission to SOE                                     |
| EDU450                                                                          | Teaching Art at the Elementary Level           | 5   |                 |           |            |          |             | Admission to SOE                                     |
| EDU452                                                                          | Teaching Art at the Secondary Level            | 5   |                 |           |            |          |             | Admission to SOE                                     |
| EDU300                                                                          | Professional Semester Seminar                  | 0   |                 | X         | X          | X        | X           | Take semester prior to directed teaching             |
| EDU442                                                                          | Directed Teaching: K-12 Art/Music (Elementary) | 7.5 |                 | X         | X          | X        | X           | Application for Directed Teaching                    |
| EDU447                                                                          | Directed Teaching: K-12 Art/Music (Secondary)  | 7.5 |                 | X         | X          | X        | X           | Application for Directed Teaching                    |
| <b>Art Courses and Sequence of Study</b>                                        |                                                |     |                 |           |            |          |             |                                                      |
| ART281                                                                          | Living with the Arts (VA)                      | 3   |                 |           |            |          |             |                                                      |
| GDT104                                                                          | Introduction to Graphic Design (WCC)           | 3   |                 |           |            |          |             |                                                      |
| ART145                                                                          | Drawing for Art Majors                         | 3   |                 |           |            |          |             |                                                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |   |  |  |  |  |  |                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------|
| PHO111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Photographic Imaging (WCC)                     | 4 |  |  |  |  |  |                                                                                                                |
| ART210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3D Design                                      | 3 |  |  |  |  |  | ART145 or Permission                                                                                           |
| ART230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Printmaking I                                  | 3 |  |  |  |  |  |                                                                                                                |
| ART245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Drawing II                                     | 3 |  |  |  |  |  | ART145                                                                                                         |
| ART258                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ceramics I                                     | 3 |  |  |  |  |  | ART210 or Permission                                                                                           |
| ART275                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sculpture I                                    | 3 |  |  |  |  |  | ART210                                                                                                         |
| ART341                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Painting I                                     | 3 |  |  |  |  |  | ART202                                                                                                         |
| ART385<br>(w)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Art History I                                  | 3 |  |  |  |  |  | ART281 & ENG104                                                                                                |
| ART386<br>(w)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Art History II                                 | 3 |  |  |  |  |  | ART281 & ENG104                                                                                                |
| ART384                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20 <sup>th</sup> Century Arts and Culture (VA) | 3 |  |  |  |  |  | ART280                                                                                                         |
| ART450                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Senior Portfolio/Show                          | 1 |  |  |  |  |  | SENIOR STATUS                                                                                                  |
| <p><b>Areas of Specialization-Art majors must complete 2 specializations of 6 credits each of advanced study in 2D and /or 3D. Art majors must also complete 9 credits of electives in addition to the specialization. Electives may be used to extend an area of specialization.</b></p> <p><b>Students select studio specializations in Painting, Printmaking, Sculpture and/or Ceramics a CUA by completing 6 credits of upper level courses in two disciplines. Students who select specializations in Photography, Graphic Design-Print Production, Video Production, or Digital Animation, complete at least 12 credits of coursework at nearby Washtenaw Community College (WCC). Coursework at WCC to be selected and approved in consultation with the student's art advisor.</b></p> |                                                |   |  |  |  |  |  | <p><b>6 credits-specialization 1</b><br/> <b>6 credits-specialization 2</b><br/> <b>9 elective credits</b></p> |
| <b>Areas of Specialization Courses (*see catalog)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                |   |  |  |  |  |  | <b>19-21 credits</b>                                                                                           |

## K-12 MUSIC EDUCATION

| K-12 MUSIC EDUCATION MAJOR                        |                                |    |                 |          |             |           |            | 2015-2016                                    |
|---------------------------------------------------|--------------------------------|----|-----------------|----------|-------------|-----------|------------|----------------------------------------------|
| STATE ENDORSEMENT CODE: JQ                        |                                |    |                 |          |             |           |            |                                              |
| MTTC TEST CODE: 099                               |                                |    |                 |          |             |           |            | 94 CREDITS**                                 |
| Course #                                          | Course Title                   | CR | Year/Term Taken | Fall ODD | Spring EVEN | Fall EVEN | Spring ODD | Prerequisites                                |
| <b>Curriculum &amp; Instruction Music Methods</b> |                                |    |                 |          |             |           |            | <b>10 credits</b>                            |
| EDU225                                            | Foundations of Music Education | 1  |                 |          | X           |           | X          | None                                         |
| EDU325                                            | Choral Methods                 | 2  |                 |          |             | X         |            | MUS295, Admitted to SOE                      |
| EDU326                                            | Instrumental Methods           | 2  |                 |          |             |           | X          | MUS295, Admitted to SOE                      |
| EDU472                                            | Elementary Music Methods       | 3  |                 | X        |             |           |            | MUS295, Admitted to SOE                      |
| EDU473                                            | Secondary Music Methods        | 2  |                 |          | X           |           |            | MUS295, Admitted to SOE                      |
| <b>Education Sequence</b>                         |                                |    |                 |          |             |           |            | <b>18 credits</b>                            |
| EDU100                                            | Education Seminar              | 0  |                 | X        |             | X         |            | None                                         |
| EDU200                                            | Admit to SOE Seminar           | 0  |                 | X        | X           | X         | X          | Taken semester prior to admission to program |
| EDU220                                            | Foundations of Education       | 3  |                 | X        |             | X         |            | None                                         |
| EDU203                                            | Educational Technology         | 2  |                 | X        |             | X         |            | None                                         |
| EDU214                                            | Child Development              | 3  |                 | X        | X           | X         | X          | None                                         |



| EDU303                                                                                                                                                                                                                                                                                                            | Differentiating Instruction            | 3  |                 |          | X           |           | X          | None                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|-----------------|----------|-------------|-----------|------------|----------------------------------------------------------|
| EDU300                                                                                                                                                                                                                                                                                                            | Professional Semester Seminar          | 0  |                 | X        | X           | X         | X          | Admitted to SOE/Taken semester prior to student teaching |
| EDU348                                                                                                                                                                                                                                                                                                            | The Art of Teaching                    | 4  |                 | X        | X           | X         | X          |                                                          |
| EDU438                                                                                                                                                                                                                                                                                                            | Content Area Reading                   | 3  |                 | X        |             | X         |            | Admitted to SOE                                          |
| Course #                                                                                                                                                                                                                                                                                                          | Course Title                           | CR | Year/Term Taken | Fall ODD | Spring EVEN | Fall EVEN | Spring ODD | Prerequisites                                            |
| <b>Written/Aural Theory Sequence</b>                                                                                                                                                                                                                                                                              |                                        |    |                 |          |             |           |            | <b>19 credits</b>                                        |
| MUS240                                                                                                                                                                                                                                                                                                            | Music Theory I                         | 3  |                 | X        |             | X         |            | MUS246 (Co-requisite)                                    |
| MUS246                                                                                                                                                                                                                                                                                                            | Aural Theory I                         | 1  |                 | X        |             | X         |            | MUS240 (Co-requisite)                                    |
| MUS241                                                                                                                                                                                                                                                                                                            | Music Theory II                        | 3  |                 |          | X           |           | X          | MUS240<br>MUS247 (Co-requisite)                          |
| MUS247                                                                                                                                                                                                                                                                                                            | Aural Theory II                        | 1  |                 |          | X           |           | X          | MUS246<br>MUS241 (Co-requisite)                          |
| MUS242                                                                                                                                                                                                                                                                                                            | Music Theory III                       | 3  |                 | X        |             | X         |            | MUS241<br>MUS248 (Co-requisite)                          |
| MUS248                                                                                                                                                                                                                                                                                                            | Aural Theory III                       | 1  |                 | X        |             | X         |            | MUS247<br>MUS242 (Co-requisite)                          |
| MUS243                                                                                                                                                                                                                                                                                                            | Music Theory IV                        | 3  |                 |          | X           |           | X          | MUS242<br>MUS251 (Co-requisite)                          |
| MUS251                                                                                                                                                                                                                                                                                                            | Aural Theory IV                        | 1  |                 |          | X           |           | X          | MUS248<br>MUS243 (Co-requisite)                          |
| MUS445                                                                                                                                                                                                                                                                                                            | Composing and Arranging                | 3  |                 |          |             |           | X          | MUS242, MUS248                                           |
| <b>Technique Studies</b>                                                                                                                                                                                                                                                                                          |                                        |    |                 |          |             |           |            | <b>17 credits</b>                                        |
| MUS250                                                                                                                                                                                                                                                                                                            | Beginning Conducting                   | 3  |                 |          |             | X         |            | MUS240, MUS246                                           |
| MUS351                                                                                                                                                                                                                                                                                                            | Advanced Conducting                    | 3  |                 |          |             |           | X          | MUS250                                                   |
| MUS204                                                                                                                                                                                                                                                                                                            | Keyboard Skills*                       | 2  |                 | X        |             | X         |            | Instructor approval                                      |
| MUS358                                                                                                                                                                                                                                                                                                            | Techniques of Teaching Percussion      | 2  |                 |          |             |           | X          | None                                                     |
| MUS215                                                                                                                                                                                                                                                                                                            | Voice Tech                             | 1  |                 |          |             | X         |            | None                                                     |
| MUS216                                                                                                                                                                                                                                                                                                            | Vocal Arts Lab**                       | 1  |                 | X        |             | X         |            | None                                                     |
| MUS356                                                                                                                                                                                                                                                                                                            | Techniques of Teaching Brass           | 2  |                 | X        |             |           |            |                                                          |
| Course #                                                                                                                                                                                                                                                                                                          | Course Title                           | CR | Year/Term Taken | Fall ODD | Spring EVEN | Fall EVEN | Spring ODD | Prerequisites                                            |
| MUS357                                                                                                                                                                                                                                                                                                            | Techniques of Teaching Woodwinds       | 2  |                 |          | X           |           |            |                                                          |
| MUS359                                                                                                                                                                                                                                                                                                            | Techniques of Teaching Strings         | 2  |                 |          |             | X         |            |                                                          |
| MUS205                                                                                                                                                                                                                                                                                                            | Introduction to Multi Media Production | 2  |                 |          | X           |           |            |                                                          |
| <p><i>*Students with no piano experience are recommended to take 2 semesters of piano class (MUS203 and MUS206)</i></p> <p><i>**Voice principals must take 2 semesters of MUS216; this requirement may substitute for either MUS356, MUS357 or MUS358; MUS216 is not required for instrumental principals</i></p> |                                        |    |                 |          |             |           |            |                                                          |
| <b>History, Analysis &amp; Criticism</b>                                                                                                                                                                                                                                                                          |                                        |    |                 |          |             |           |            | <b>11 credits</b>                                        |
| MUS271                                                                                                                                                                                                                                                                                                            | Music History I (w)                    | 3  |                 |          |             | X         |            | ENG104, MUS340                                           |
| MUS272                                                                                                                                                                                                                                                                                                            | Music History II                       | 3  |                 |          |             |           | X          | ENG104, MUS240                                           |
| MUS340                                                                                                                                                                                                                                                                                                            | World Music                            | 2  |                 |          | X           |           |            | MUS240                                                   |

|                                                                                                                                                                                     |                                         |    |  |   |   |   |   |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----|--|---|---|---|---|-------------------|
| ART382                                                                                                                                                                              | 20 <sup>th</sup> Century Arts & Culture | 3  |  | X |   | X |   | ART381            |
| <b>Performance Emphasis</b>                                                                                                                                                         |                                         |    |  |   |   |   |   | <b>18 credits</b> |
| MUS181<br>MUS182<br>MUS190<br>MUS193                                                                                                                                                | Ensemble                                | 4  |  | X | X | X | X |                   |
| Applied Lessons                                                                                                                                                                     |                                         | 14 |  | X | X | X | X |                   |
| <i>Students must participate in the ensemble of their principal instrument and take 2 credits of private instruction in their principal instrument for each semester on campus.</i> |                                         |    |  |   |   |   |   |                   |
| <b>Senior Seminar</b>                                                                                                                                                               |                                         |    |  |   |   |   |   | <b>2 credits</b>  |
| MUS499                                                                                                                                                                              | Senior Recital                          | 2  |  | X | X | X | X | Senior Standing   |

## BACHELOR'S DEGREE IN SECONDARY EDUCATION

Completion of the secondary teacher education program (with passing grades on the appropriate Michigan Test for Teacher Certification (MTTC) content area tests) leads to certification by the State of Michigan to teach grades six through twelve in the content areas of the candidates major/minor specialized studies.

The secondary education program consists of four components - General Studies, Professional Education Studies, Specialty Studies (either a major and a minor or a double major) and, if the degree plan allows electives. Completion of an optional fifth component, the Lutheran Teacher Diploma requirements, certifies the candidate to serve in the teaching ministry of the Lutheran Church-Missouri Synod. The following chart outlines these components.

| SECONDARY EDUCATION REQUIRED COURSES                                     |                             |    |                 |           |            |          |             | 2015-2016<br>36-37 CREDITS |
|--------------------------------------------------------------------------|-----------------------------|----|-----------------|-----------|------------|----------|-------------|----------------------------|
| Course #                                                                 | Course Title                | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites              |
| <b>Year One</b>                                                          |                             |    |                 |           |            |          |             | <b>7 credits</b>           |
| EDU220                                                                   | Foundations of Education    | 3  |                 | X         | X          | X        | X           |                            |
| EDU100                                                                   | Education Seminar           | 0  |                 | X         | X          | X        | X           |                            |
| EDU214                                                                   | Child Development           | 3  |                 | X         | X          | X        | X           |                            |
| EDU203                                                                   | Educational Technology      | 1  |                 | X         | X          | X        | X           |                            |
| <b>Year Two</b>                                                          |                             |    |                 |           |            |          |             | <b>7 credits</b>           |
| EDU303                                                                   | Differentiating Instruction | 3  |                 |           | X          |          | X           |                            |
| EDU348                                                                   | The Art of Teaching         | 4  |                 | X         | X          | X        | X           |                            |
| EDU200                                                                   | Admit to Program Seminar    | 0  |                 | X         | X          | X        | X           |                            |
| <b>MTTC Professional Readiness Exam</b><br><i>Date taken and passed:</i> |                             |    |                 |           |            |          |             |                            |
| <b>Year Three/Four</b>                                                   |                             |    |                 |           |            |          |             | <b>5-8 credits</b>         |
| EDU438                                                                   | Methods in Content Reading  | 3  |                 |           | X          |          | X           | Take after Methods courses |
| EDU_____                                                                 | Methods in (Major)          | 1  |                 | X         |            | X        |             |                            |
| EDU_____                                                                 | Methods in (Minor)          | 1  |                 | X         |            | X        |             |                            |

|                                    |                                       |    |  |   |   |   |   |                                                                |
|------------------------------------|---------------------------------------|----|--|---|---|---|---|----------------------------------------------------------------|
| EDU460                             | Secondary Methods                     | 3  |  | X |   | X |   |                                                                |
| EDU300                             | Student Teaching Semester Seminar     | 0  |  | X | X | X | X |                                                                |
| <b>Student Teaching Experience</b> |                                       |    |  |   |   |   |   | <b>15 credits</b>                                              |
| EDU446                             | Student Teaching Experience-Secondary | 15 |  | X | X | X | X | Completion of all SOE, major/minor, general studies coursework |

## SUBJECT AREA SPECIALTY STUDIES – SECONDARY EDUCATION

Secondary education candidates must complete a major and a minor in a subject area that the School of Education offers certification in. Concordia's approved areas for teacher candidates in secondary education are described below.

### BIOLOGY

| <b>BIOLOGY MAJOR: SECONDARY EDUCATION</b>   |                                    |           |                        |                  |                   |                  |                    | <b>2015-2016</b>                                                                                                               |
|---------------------------------------------|------------------------------------|-----------|------------------------|------------------|-------------------|------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>STATE ENDORSEMENT CODE: DA</b>           |                                    |           |                        |                  |                   |                  |                    |                                                                                                                                |
| <b>MTTC TEST CODE: 017</b>                  |                                    |           |                        |                  |                   |                  |                    | <b>47 CREDITS</b>                                                                                                              |
| <b>Course #</b>                             | <b>Course Title</b>                | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall EVEN</b> | <b>Spring EVEN</b> | <b>Prerequisites</b>                                                                                                           |
| <b>Science Core</b>                         |                                    |           |                        |                  |                   |                  |                    | <b>5-6 credits</b>                                                                                                             |
| SCI250                                      | Nature of Science (w)              | 3         |                        | X                | X                 | X                | X                  | BIO100 or 2 years of H.S. Biology with a B- average and ENG104                                                                 |
| SCI490                                      | Science Senior Seminar             | 2         |                        | X                | X                 | X                | X                  | Senior Standing, Instructor's Permission; One credit for each semester                                                         |
| <b>Biology Core</b>                         |                                    |           |                        |                  |                   |                  |                    | <b>22-24 credits</b>                                                                                                           |
| BIO410                                      | Ecology                            | 4         |                        |                  |                   | X                |                    | BIO240, BIO244 and MATH121                                                                                                     |
| BIO348                                      | Genetics                           | 4         |                        | X                |                   |                  |                    | BIO100, SCI250                                                                                                                 |
| SCI275                                      | Cosmogony (w)                      | 3         |                        |                  |                   |                  | X                  | 1 BIO, CHEM, or PHYS course                                                                                                    |
| BIO321                                      | Cell Biology (w)                   | 4         |                        |                  |                   |                  | X                  | 12 credits of BIO, 8 credits of CHEM                                                                                           |
| <b>Select two of the following courses:</b> |                                    |           |                        |                  |                   |                  |                    |                                                                                                                                |
| BIO244                                      | Botany                             | 4         |                        |                  |                   | X                |                    | BIO100, BIO181 or BIO182                                                                                                       |
| BIO240                                      | Zoology                            | 4         |                        |                  | X                 |                  |                    | BIO100, BIO181 or BIO182                                                                                                       |
| BIO260                                      | Microbiology                       | 4         |                        | X                |                   |                  |                    | BIO100, SCI250                                                                                                                 |
| BIO425                                      | Biochemistry                       | 4         |                        |                  | X                 |                  |                    | BIO100, CHEM242                                                                                                                |
| <b>Select one of the following courses:</b> |                                    |           |                        |                  |                   |                  |                    |                                                                                                                                |
| BIO181                                      | Functional Anatomy & Physiology I  | 4         |                        |                  | X                 |                  | X                  | BIO100, BIO182 or 2 years H.S. Biology with a B- average                                                                       |
| BIO182                                      | Functional Anatomy & Physiology II | 4         |                        | X                |                   | X                |                    | BIO100, BIO181 or 2 years H.S. Biology with a B- average                                                                       |
| <b>Chemistry Component</b>                  |                                    |           |                        |                  |                   |                  |                    | <b>4 credits</b>                                                                                                               |
| CHEM141                                     | General Chemistry I                | 4         |                        | X                |                   | X                |                    | CHEM100 or 1 year H.S. Chemistry with a B- average, 2 years H.S. Algebra with a B- average or concurrent enrollment in MATH128 |
| <b>Physics Component</b>                    |                                    |           |                        |                  |                   |                  |                    | <b>4 credits</b>                                                                                                               |
| PHYS151                                     | General Physics I                  | 4         |                        | X                |                   | X                |                    | PHYS121 (or sufficient H.S. Physics & Pre-Calculus) MATH128                                                                    |
| <b>Mathematics Component</b>                |                                    |           |                        |                  |                   |                  |                    | <b>3 credits</b>                                                                                                               |
| MATH205                                     | Statistics                         | 3         |                        | X                | X                 | X                | X                  |                                                                                                                                |

|                                |                       |   |  |   |  |  |  |                                                     |
|--------------------------------|-----------------------|---|--|---|--|--|--|-----------------------------------------------------|
| <b>Earth Science Component</b> |                       |   |  |   |  |  |  | <b>3 credits</b>                                    |
| BIO256                         | Environmental Science | 4 |  | X |  |  |  | BIO100 or 2 years of H.S. Biology with a B- average |

| <b>BIOLOGY MINOR: SECONDARY EDUCATION</b>     |                                    |    |                 |           |            |          |             | <b>2015-2016</b>                                               |
|-----------------------------------------------|------------------------------------|----|-----------------|-----------|------------|----------|-------------|----------------------------------------------------------------|
| <b>STATE ENDORSEMENT CODE: DA</b>             |                                    |    |                 |           |            |          |             |                                                                |
| <b>MTTC TEST CODE: 017</b>                    |                                    |    |                 |           |            |          |             | <b>26 CREDITS</b>                                              |
| Course #                                      | Course Title                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                                  |
| <b>Science Core</b>                           |                                    |    |                 |           |            |          |             | <b>3 credits</b>                                               |
| SCI250                                        | Nature of Science (w)              | 3  |                 | X         | X          | X        | X           | BIO100 or 2 years of H.S. Biology with a B- average and ENG104 |
| <b>Biology Core</b>                           |                                    |    |                 |           |            |          |             | <b>23 credits</b>                                              |
| BIO410                                        | Ecology                            | 4  |                 |           |            | X        |             | BIO240, BIO244 and MATH121                                     |
| BIO348                                        | Genetics                           | 4  |                 | X         |            | X        |             | BIO100, SCI250                                                 |
| SCI275                                        | Cosmogony (w)                      | 3  |                 |           | X          |          | X           | 1 BIO, CHEM, or PHYS course                                    |
| <b>Select three of the following courses:</b> |                                    |    |                 |           |            |          |             |                                                                |
| BIO244                                        | Botany                             | 4  |                 | X         |            | X        |             | BIO100, BIO181 or BIO182                                       |
| BIO240                                        | Zoology                            | 4  |                 |           | X          |          | X           | BIO100, BIO181 or BIO182                                       |
| BIO181                                        | Functional Anatomy & Physiology I  | 4  |                 |           | X          |          | X           | BIO100, BIO182 or 2 years H.S. Biology with a B- average       |
| BIO182                                        | Functional Anatomy & Physiology II | 4  |                 | X         |            | X        |             | BIO100, BIO181 or 2 years H.S. Biology with a B- average       |
| BIO260                                        | Microbiology                       | 4  |                 | X         |            |          |             | BIO100, SCI250                                                 |
| BIO321                                        | Cell Biology (w)                   | 4  |                 |           |            |          | X           | 12 credits of BIO, 8 credits of CHEM                           |

## CHEMISTRY

A chemistry minor is offered to students in a secondary education curriculum, but may be of interest to other students who desire a more in-depth understanding of the importance of chemistry in today's technological world. Students are expected to have a mastery of the concepts covered in MATH 121. A biology minor is offered to those students who want a more detailed knowledge of living organisms/systems and how they affect the world in which we live.

The chemistry minor must take the following:

| <b>CHEMISTRY MINOR: SECONDARY EDUCATION</b> |                                         |    |                 |           |            |          |             | <b>2015-2016</b>                                                                                                               |
|---------------------------------------------|-----------------------------------------|----|-----------------|-----------|------------|----------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>STATE ENDORSEMENT CODE: DC</b>           |                                         |    |                 |           |            |          |             |                                                                                                                                |
| <b>MTTC TEST CODE: 018</b>                  |                                         |    |                 |           |            |          |             | <b>24 CREDITS</b>                                                                                                              |
| Course #                                    | Course Title                            | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                                                                                                  |
| <b>Choose one of the following courses:</b> |                                         |    |                 |           |            |          |             | <b>4 credits</b>                                                                                                               |
| CHEM105                                     | Elements of General Biology & Chemistry | 4  |                 |           |            | X        |             | MATH121                                                                                                                        |
| CHEM425                                     | Biochemistry                            | 4  |                 |           | X          |          |             | CHEM242                                                                                                                        |
| <b>Chemistry Core</b>                       |                                         |    |                 |           |            |          |             | <b>20 credits</b>                                                                                                              |
| CHEM141                                     | General Chemistry I                     | 4  |                 | X         |            | X        |             | CHEM100 or 1 year H.S. Chemistry with a B- average, 2 years H.S. Algebra with a B- average or concurrent enrollment in MATH128 |
| CHEM142                                     | General Chemistry II                    | 4  |                 |           | X          |          | X           | CHEM141                                                                                                                        |

|         |                      |   |  |   |   |   |   |         |
|---------|----------------------|---|--|---|---|---|---|---------|
| CHEM241 | Organic Chemistry I  | 4 |  | X |   | X |   | CHEM142 |
| CHEM242 | Organic Chemistry II | 4 |  |   | X |   | X | CHEM241 |
| CHEM225 | Analytical Chemistry | 4 |  |   |   |   | X | CHEM142 |

## ENGLISH

Courses in English include the study of writing, language, and literature. Writing courses are designed to teach strategies for producing clear, effective, and expressive written communication. Study of the English language is designed to teach language principles and history in order to foster informed attitudes toward varieties of language and language change. Courses in literature are designed to teach methods of literary interpretation through the study of representative works.

| ENGLISH MAJOR: SECONDARY EDUCATION                                            |                                    |    |                 |           |            |          |             | 2015-2016                                 |
|-------------------------------------------------------------------------------|------------------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------------------------------|
| STATE ENDORSEMENT CODE: BA                                                    |                                    |    |                 |           |            |          |             |                                           |
| MTTC TEST CODE: 002                                                           |                                    |    |                 |           |            |          |             | 45 CREDITS                                |
| Course #                                                                      | Course Title                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                             |
| <b>Language Courses</b>                                                       |                                    |    |                 |           |            |          |             | <b>6 credits</b>                          |
| ENG305                                                                        | English Grammar and Usage          | 3  |                 |           |            | X        |             | ENG103, ENG104                            |
| ENG365                                                                        | English: Its Cultural Development  | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| <b>Expression Course</b>                                                      |                                    |    |                 |           |            |          |             | <b>3 credits</b>                          |
| ENG245                                                                        | Advanced Writing                   | 3  |                 |           | X          |          |             | ENG104                                    |
| <b>American Literature Courses</b>                                            |                                    |    |                 |           |            |          |             | <b>6 credits</b>                          |
| ENG341                                                                        | American Literature I              | 3  |                 |           |            | X        |             | ENG103, ENG104                            |
| ENG342                                                                        | American Literature II             | 3  |                 | X         |            |          |             | ENG103, ENG104                            |
| <b>English Literature Courses</b>                                             |                                    |    |                 |           |            |          |             | <b>6 credits</b>                          |
| ENG344                                                                        | English Literature I               | 3  |                 | X         |            |          |             | ENG103, ENG104                            |
| ENG345                                                                        | English Literature II              | 3  |                 |           | X          |          |             | ENG103, ENG104                            |
| <b>Other Required Courses</b>                                                 |                                    |    |                 |           |            |          |             | <b>12 credits</b>                         |
| ENG315                                                                        | American Multicultural Literatures | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| ENG465                                                                        | Shakespeare                        | 3  |                 | X         |            | X        |             | ENG103, ENG104                            |
| ENG475                                                                        | Literary Criticism                 | 3  |                 |           |            |          | X           | ENG103, ENG104                            |
| <b>Additional Required Courses (choose either ENG347 or ENG348, not both)</b> |                                    |    |                 |           |            |          |             | <b>9 credits</b>                          |
| ENG347                                                                        | World Literature I                 | 3  |                 |           | X          |          |             | ENG103, ENG104                            |
| ENG348                                                                        | World Literature II                | 3  |                 |           |            |          | X           | ENG103, ENG104                            |
| EDU432                                                                        | Teaching Writing                   | 3  |                 |           |            | X        |             | Admit to SOE, Jr./Sr. Status              |
| LAN435                                                                        | Literature for Young Adults        | 3  |                 |           | X          |          | X           | ENG103, ENG104                            |
| <b>Senior Seminar</b>                                                         |                                    |    |                 |           |            |          |             | <b>3 credits</b>                          |
| ENG495                                                                        | Senior Seminar                     | 3  |                 | X         | X          | X        | X           | Senior Standing & Instructor's Permission |

| ENGLISH MINOR: SECONDARY EDUCATION                                            |                                   |    |                 |           |            |          |             | 2015-2016                    |
|-------------------------------------------------------------------------------|-----------------------------------|----|-----------------|-----------|------------|----------|-------------|------------------------------|
| STATE ENDORSEMENT CODE: BA                                                    |                                   |    |                 |           |            |          |             |                              |
| MTTC TEST CODE: 002                                                           |                                   |    |                 |           |            |          |             | 27 CREDITS                   |
| Course #                                                                      | Course Title                      | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                |
| <b>Language Courses (choose one)</b>                                          |                                   |    |                 |           |            |          |             | <b>3 credits</b>             |
| ENG305                                                                        | English Grammar and Usage         | 3  |                 |           |            |          |             | ENG103, ENG104               |
| ENG365                                                                        | English: Its Cultural Development | 3  |                 |           |            |          |             | ENG103, ENG104               |
| <b>Expression Course</b>                                                      |                                   |    |                 |           |            |          |             | <b>3 credits</b>             |
| ENG245                                                                        | Advanced Writing                  | 3  |                 |           |            |          |             | ENG104                       |
| <b>American Literature Courses (choose one)</b>                               |                                   |    |                 |           |            |          |             | <b>3 credits</b>             |
| ENG341                                                                        | American Literature I             | 3  |                 |           |            |          |             | ENG103, ENG104               |
| ENG342                                                                        | American Literature II            | 3  |                 |           |            |          |             | ENG103, ENG104               |
| <b>English Literature Courses (choose one)</b>                                |                                   |    |                 |           |            |          |             | <b>3 credits</b>             |
| ENG344                                                                        | English Literature I              | 3  |                 |           |            |          |             | ENG103, ENG104               |
| ENG345                                                                        | English Literature II             | 3  |                 |           |            |          |             | ENG103, ENG104               |
| <b>Additional Required Courses (choose either ENG347 or ENG348, not both)</b> |                                   |    |                 |           |            |          |             | <b>15 credits</b>            |
| ENG315                                                                        | American Ethnic Literatures       | 3  |                 |           |            |          |             | ENG103, ENG104               |
| ENG465                                                                        | Shakespeare                       | 3  |                 |           |            |          |             | ENG103, ENG104               |
| ENG347                                                                        | World Literature I                | 3  |                 |           |            |          |             | ENG103, ENG104               |
| ENG348                                                                        | World Literature II               | 3  |                 |           |            |          |             | ENG103, ENG104               |
| EDU432                                                                        | Teaching Writing                  | 3  |                 |           |            |          |             | Admit to SOE; Jr./Sr .Status |
| LAN435                                                                        | Literature for Young Adults       | 3  |                 |           |            |          |             | ENG103, ENG104               |

## ENGLISH AS A SECOND LANGUAGE-ESL

The focus of this minor is to prepare candidates for teaching their content area to students who have English as a second language in their classes. Candidates will understand the linguistic and cultural problems that students have when English is not their native language. Candidates will have experience with the methods and assessments used in ESL instruction. Candidates will have student teaching experience in ELL (English Language Learners) as well.

| ENGLISH AS A SECOND LANGUAGE (ESL): SECONDARY EDUCATION MINOR |                               |    |                 |           |            |          |             | 2015-2016         |
|---------------------------------------------------------------|-------------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------|
| STATE ENDORSEMENT CODE: NS                                    |                               |    |                 |           |            |          |             |                   |
| MTTC TEST CODE: 086                                           |                               |    |                 |           |            |          |             | 21 CREDITS        |
| Course #                                                      | Course Title                  | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites     |
| <b>Required Courses</b>                                       |                               |    |                 |           |            |          |             | <b>21 credits</b> |
| EDU351                                                        | Cross Cultural Communications | 3  |                 |           |            |          |             |                   |
| EDU352                                                        | Basic Linguistics             | 3  |                 |           |            |          |             |                   |
| EDU353                                                        | ESL Literacy                  | 3  |                 |           |            |          |             |                   |

|        |                                   |   |  |  |  |  |  |  |
|--------|-----------------------------------|---|--|--|--|--|--|--|
| EDU354 | Integration of Language & Content | 3 |  |  |  |  |  |  |
| EDU355 | Assessment in ESL                 | 3 |  |  |  |  |  |  |
| EDU356 | Methods of Teaching in ESL        | 3 |  |  |  |  |  |  |
| EDU357 | Observation, Analysis, Practicum  | 3 |  |  |  |  |  |  |

## HISTORY

History may be defined as the recorded expression of past human activity. It includes the record of the political, social, and economic aspects of a people, as well as their artistic products, intellectual activities, scientific progress, and religious beliefs. Courses in this area attempt to underline the broad scope of history in all activities of men and women.

| <b>HISTORY MINOR: SECONDARY EDUCATION</b>      |                     |           |                        |                  |                   |                 |                    | <b>2015-2016</b>     |
|------------------------------------------------|---------------------|-----------|------------------------|------------------|-------------------|-----------------|--------------------|----------------------|
| <b>STATE ENDORSEMENT CODE: CC</b>              |                     |           |                        |                  |                   |                 |                    |                      |
| <b>MTTC TEST CODE: 009</b>                     |                     |           |                        |                  |                   |                 |                    | <b>21 CREDITS</b>    |
| <b>Course #</b>                                | <b>Course Title</b> | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall ODD</b> | <b>Spring EVEN</b> | <b>Prerequisites</b> |
| <b>Required Courses</b>                        |                     |           |                        |                  |                   |                 |                    |                      |
| <b>U.S. History</b>                            |                     |           |                        |                  |                   |                 |                    | <b>3 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
| <b>European History</b>                        |                     |           |                        |                  |                   |                 |                    | <b>3 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
| <b>Non-Western/Global History</b>              |                     |           |                        |                  |                   |                 |                    | <b>6 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
| HIST385                                        | Historical Methods  | 3         |                        | X                |                   | X               |                    |                      |
| <b>Select Emphasis Area (one)</b>              |                     |           |                        |                  |                   |                 |                    |                      |
| <b>Emphasis in American History</b>            |                     |           |                        |                  |                   |                 |                    |                      |
| <b>U.S. History</b>                            |                     |           |                        |                  |                   |                 |                    | <b>6 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
| <b>European or Non-Western /Global History</b> |                     |           |                        |                  |                   |                 |                    | <b>3 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
| <b>Emphasis in European History</b>            |                     |           |                        |                  |                   |                 |                    |                      |
| <b>European History</b>                        |                     |           |                        |                  |                   |                 |                    | <b>6 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
| <b>U.S. or Non-Western /Global History</b>     |                     |           |                        |                  |                   |                 |                    | <b>3 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |
| <b>Emphasis in Global History</b>              |                     |           |                        |                  |                   |                 |                    |                      |
| <b>Non-Western/Global History</b>              |                     |           |                        |                  |                   |                 |                    | <b>6 credits</b>     |
|                                                |                     | 3         |                        |                  |                   |                 |                    |                      |

|  |  |   |  |  |  |  |  |  |
|--|--|---|--|--|--|--|--|--|
|  |  | 3 |  |  |  |  |  |  |
|--|--|---|--|--|--|--|--|--|

## INTEGRATED SCIENCE

The Integrated Science Major combined with the requirements of Concordia's Elementary Education Program prepares students to become effective science teachers. Students will learn the necessary science content from professors who model effective science teaching, learn the best practices in education and engage in numerous hours of field work in area classrooms. Once completed, students will know and be able to apply the fundamental concepts in the physical, life, and Earth /space sciences. They will understand the nature of science, its unifying concepts, and the inquiry process scientists use to discover new knowledge and they will use this knowledge to enable future students to build a base for scientific and technological literacy. This course of study will prepare students for the Michigan Test of Teacher Certification (MTTC) and meets all of the requirements set by the Michigan Department of Education (MDE) and National Science Teachers Association (NSTA) necessary for certification.

| INTEGRATED SCIENCE MAJOR: SECONDARY EDUCATION |                                     |    |                 |           |            |          |             | 2015-2016                                                                                                                      |
|-----------------------------------------------|-------------------------------------|----|-----------------|-----------|------------|----------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| STATE ENDORSEMENT CODE: DI                    |                                     |    |                 |           |            |          |             |                                                                                                                                |
| MTTC TEST CODE: 094                           |                                     |    |                 |           |            |          |             | 55 CREDITS                                                                                                                     |
| Course #                                      | Course Title                        | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                                                                                                  |
| <b>Science Core</b>                           |                                     |    |                 |           |            |          |             | <b>3 credits</b>                                                                                                               |
| SCI250                                        | Nature of Science (w)               | 3  |                 | X         | X          | X        | X           | BIO100 or 2 years of H.S. Biology with a B- average and ENG104                                                                 |
| <b>Biology Core</b>                           |                                     |    |                 |           |            |          |             | <b>17 credits</b>                                                                                                              |
| BIO410                                        | Ecology                             | 4  |                 |           |            | X        |             | BIO240, BIO244 and MATH121                                                                                                     |
| BIO348                                        | Genetics                            | 4  |                 | X         |            |          |             | BIO100                                                                                                                         |
| SCI275                                        | Cosmogony (w)                       | 3  |                 |           |            |          | X           | 1 BIO, CHEM, or PHYS course                                                                                                    |
| <b>Select two of the following courses:</b>   |                                     |    |                 |           |            |          |             |                                                                                                                                |
| BIO244                                        | Botany                              | 4  |                 |           |            | X        |             | BIO100                                                                                                                         |
| BIO240                                        | Zoology                             | 4  |                 |           | X          |          |             | BIO100                                                                                                                         |
| BIO321                                        | Cell Biology (w)                    | 4  |                 |           |            |          | X           | 12 credits of BIO, 8 credit of CHEM                                                                                            |
| <b>Chemistry Component</b>                    |                                     |    |                 |           |            |          |             | <b>12 credits</b>                                                                                                              |
| CHEM141                                       | General Chemistry I                 | 4  |                 | X         |            | X        |             | CHEM100 or 1 year H.S. Chemistry with a B- average, 2 years H.S. Algebra with a B- average or concurrent enrollment in MATH128 |
| CHEM105                                       | Elements of General & Bio Chemistry | 4  |                 |           | X          |          |             | MATH121                                                                                                                        |
| CHEM142                                       | General Chemistry II                | 4  |                 |           | X          |          | X           | CHEM141                                                                                                                        |
| <b>Physics Component</b>                      |                                     |    |                 |           |            |          |             | <b>8 credits</b>                                                                                                               |
| PHYS151                                       | General Physics I                   | 4  |                 | X         |            | X        |             | PHYS121 (or sufficient H.S. Physics & Pre-Calculus) MATH128                                                                    |
| PHYS152                                       | General Physics II                  | 4  |                 |           | X          |          | X           | PHYS151                                                                                                                        |
| <b>Earth Science Component</b>                |                                     |    |                 |           |            |          |             | <b>11 credits</b>                                                                                                              |
| SCI235                                        | Earth Science                       | 4  |                 |           | X          |          |             | None                                                                                                                           |
| SCI215                                        | Atmospheric & Space Science         | 3  |                 |           |            |          | X           | None                                                                                                                           |
| BIO156                                        | Environmental Science               | 4  |                 | X         |            |          |             | BIO100 or 2 years of H.S. Biology with a B- average                                                                            |
| <b>Senior Seminar</b>                         |                                     |    |                 |           |            |          |             | <b>2 credits</b>                                                                                                               |



|             |                        |   |  |   |   |   |   |                                                                        |
|-------------|------------------------|---|--|---|---|---|---|------------------------------------------------------------------------|
| BIO/CHEM490 | Science Senior Seminar | 2 |  | X | X | X | X | Senior Standing, Instructor's Permission; One credit for each semester |
|-------------|------------------------|---|--|---|---|---|---|------------------------------------------------------------------------|

\*This is an MDE endorsed group major so no minor course of study is required to obtain teacher certification.

## MATHEMATICS

Mathematics is an aspect of our everyday lives and an important part of our culture. Applications of mathematics are found in many disciplines today, including the physical sciences, biological sciences, business, economics, computer science and psychology.

| MATHEMATICS MAJOR: SECONDARY EDUCATION |                                    |    |                 |           |            |          |             | 2015-2016                                                                |
|----------------------------------------|------------------------------------|----|-----------------|-----------|------------|----------|-------------|--------------------------------------------------------------------------|
| STATE ENDORSEMENT CODE: EX             |                                    |    |                 |           |            |          |             |                                                                          |
| MTTC TEST CODE: 022                    |                                    |    |                 |           |            |          |             | 42 CREDITS                                                               |
| Course #                               | Course Title                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                                            |
| <b>Required Courses</b>                |                                    |    |                 |           |            |          |             | <b>39 credits</b>                                                        |
| CSC250                                 | Computer Science Theory & Practice | 3  |                 | X         |            | X        |             | MATH128, MATH150, or equivalent pre-calculus coursework                  |
| MATH201                                | Calculus I                         | 4  |                 | X         |            | X        |             | MATH128, MATH150 or equivalent pre-calculus coursework                   |
| MATH202                                | Calculus II                        | 4  |                 |           | X          |          | X           | MATH201                                                                  |
| MATH203                                | Calculus III                       | 4  |                 | X         |            | X        |             | MATH202                                                                  |
| MATH205                                | Statistics I                       | 3  |                 | X         | X          | X        | X           | MATH121                                                                  |
| MATH220                                | Discrete Mathematics               | 3  |                 | X         |            | X        |             | MATH201, CSC250                                                          |
| MATH231                                | Linear Algebra                     | 3  |                 |           | X          |          | X           | MATH201                                                                  |
| MATH321                                | Abstract Algebra                   | 3  |                 |           |            | X        |             | MATH202                                                                  |
| MATH331                                | Geometry                           | 3  |                 | X         |            |          |             | MATH202                                                                  |
| MATH341                                | Differential Equations             | 3  |                 |           | X          |          | X           | MATH202                                                                  |
| MATH441                                | Real Analysis                      | 3  |                 |           |            |          | X           | MATH203                                                                  |
| MATH461                                | Probability & Statistics           | 3  |                 |           | X          |          |             | MATH203                                                                  |
| <b>Senior Project</b>                  |                                    |    |                 |           |            |          |             | <b>3 credits</b>                                                         |
| MATH490                                | Senior Seminar                     | 3  |                 | X         | X          | X        | X           | Senior Standing, 24 credits completed in major & Instructor's Permission |

| <b>MATHEMATICS MINOR: SECONDARY EDUCATION</b> |                                    |           |                        |                  |                   |                 |                    | <b>2015-2016</b>                                        |  |
|-----------------------------------------------|------------------------------------|-----------|------------------------|------------------|-------------------|-----------------|--------------------|---------------------------------------------------------|--|
| <b>STATE ENDORSEMENT CODE: EX</b>             |                                    |           |                        |                  |                   |                 |                    | <b>24 CREDITS</b>                                       |  |
| <b>MTTC TEST CODE: 022</b>                    |                                    |           |                        |                  |                   |                 |                    |                                                         |  |
| <b>Course #</b>                               | <b>Course Title</b>                | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall ODD</b> | <b>Spring EVEN</b> | <b>Prerequisites</b>                                    |  |
| <b>Required Courses</b>                       |                                    |           |                        |                  |                   |                 |                    | <b>18 credits</b>                                       |  |
| CSC250                                        | Computer Science Theory & Practice | 3         |                        |                  | X                 |                 | X                  | MATH128, MATH150, or equivalent pre-calculus coursework |  |
| MATH201                                       | Calculus I                         | 4         |                        | X                |                   | X               |                    | MATH128, MATH150 or equivalent pre-calculus coursework  |  |
| MATH202                                       | Calculus II                        | 4         |                        |                  | X                 |                 | X                  | MATH201                                                 |  |
| MATH203                                       | Calculus III                       | 4         |                        | X                |                   | X               |                    | MATH202                                                 |  |
| MATH205                                       | Statistics I                       | 3         |                        | X                | X                 | X               | X                  | MATH121                                                 |  |
| <b>Electives (choose 6 credits)</b>           |                                    |           |                        |                  |                   |                 |                    | <b>6 credits</b>                                        |  |
| MATH220                                       | Discrete Mathematics               | 3         |                        | X                |                   | X               |                    | MATH201, CSC250                                         |  |
| MATH231                                       | Linear Algebra                     | 3         |                        |                  | X                 |                 | X                  | MATH201                                                 |  |
| MATH321                                       | Abstract Algebra                   | 3         |                        |                  |                   | X               |                    | MATH202                                                 |  |
| MATH331                                       | Geometry                           | 3         |                        | X                |                   |                 |                    | MATH202                                                 |  |
| MATH341                                       | Differential Equations             | 3         |                        |                  | X                 |                 | X                  | MATH202                                                 |  |
| MATH441                                       | Real Analysis                      | 3         |                        |                  |                   |                 | X                  | MATH203                                                 |  |
| MATH305                                       | Probability & Statistics           | 3         |                        |                  | X                 |                 |                    | MATH203                                                 |  |

## PHYSICAL EDUCATION

The recognition of the importance of physical activity in the lives of all people underlies the curriculum of the Division of Kinesiology. Every student is encouraged to receive instruction and practice in a variety of lifetime sports and recreational activities. The Kinesiology curriculum is designed with an emphasis in the appreciation and study of human movement, with the goal to educate students for careers in teaching and coaching, athletics administration, recreation, and allied health and wellness programs.

| <b>PHYSICAL EDUCATION MAJOR-SECONDARY EDUCATION</b> |                                   |           |                        |                  |                   |                 |                    | <b>2015-2016</b>     |  |
|-----------------------------------------------------|-----------------------------------|-----------|------------------------|------------------|-------------------|-----------------|--------------------|----------------------|--|
| <b>STATE ENDORSEMENT CODE: MB</b>                   |                                   |           |                        |                  |                   |                 |                    | <b>41 CREDITS</b>    |  |
| <b>MTTC TEST CODE: 044</b>                          |                                   |           |                        |                  |                   |                 |                    |                      |  |
| <b>Course #</b>                                     | <b>Course Title</b>               | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall ODD</b> | <b>Spring EVEN</b> | <b>Prerequisites</b> |  |
| <b>Required Courses</b>                             |                                   |           |                        |                  |                   |                 |                    | <b>41 credits</b>    |  |
| BIO181                                              | Functional Anatomy & Physiology I | 4         |                        |                  | X                 |                 | X                  | BIO100               |  |
| HHP202                                              | Introduction to Kinesiology       | 3         |                        | X                |                   | X               |                    | None                 |  |
| HHP272                                              | Introduction to Athletic Training | 3         |                        |                  | X                 |                 | X                  | None                 |  |

|        |                                               |   |  |   |   |   |   |         |
|--------|-----------------------------------------------|---|--|---|---|---|---|---------|
| HHP373 | Motor Development                             | 3 |  |   | X |   |   | None    |
| HHP412 | Adapted Physical Education                    | 3 |  |   |   |   | X | None    |
| HHP375 | Biomechanics                                  | 3 |  |   | X |   | X | PHYS151 |
| HHP371 | Exercise Physiology I                         | 4 |  | X |   | X |   | BIO181  |
| HHP350 | Coaching Methods                              | 3 |  |   | X |   |   | None    |
| HHP250 | Teaching Core Activities II<br>Recreation     | 3 |  |   |   | X |   | None    |
| HHP355 | Teaching Core Activities III                  | 3 |  |   |   | X |   | None    |
| HHP410 | Measurements and Evaluation<br>on Health & PE | 3 |  | X |   | X |   | MATH205 |
| HHP356 | Teaching Core Activities IV                   | 3 |  |   |   |   | X | None    |
| HHP450 | Curriculum and Methods of<br>Health Education | 3 |  | X |   | X |   | None    |

| <b>PHYSICAL EDUCATION MINOR-SECONDARY EDUCATION</b>   |                                               |           |                        |                  |                   |                 |                    | <b>2015-2016</b>     |
|-------------------------------------------------------|-----------------------------------------------|-----------|------------------------|------------------|-------------------|-----------------|--------------------|----------------------|
| <b>STATE ENDORSEMENT CODE: MB</b>                     |                                               |           |                        |                  |                   |                 |                    |                      |
| <b>MTTC TEST CODE: 044</b>                            |                                               |           |                        |                  |                   |                 |                    | <b>29 CREDITS</b>    |
| <b>Course #</b>                                       | <b>Course Title</b>                           | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall ODD</b> | <b>Spring EVEN</b> | <b>Prerequisites</b> |
| <b>Required Courses</b>                               |                                               |           |                        |                  |                   |                 |                    | <b>17 credits</b>    |
| BIO181                                                | Functional Anatomy & Physiology I             | 4         |                        |                  | X                 |                 | X                  | BIO100               |
| HHP202                                                | Introduction to Kinesiology                   | 3         |                        | X                |                   | X               |                    | None                 |
| HHP373                                                | Motor Development                             | 3         |                        |                  | X                 |                 |                    | None                 |
| HHP375                                                | Biomechanics                                  | 3         |                        |                  | X                 |                 | X                  | PHYS151              |
| HHP371                                                | Exercise Physiology I                         | 4         |                        | X                |                   | X               |                    | BIO181               |
| <b>Select six credits from the following courses:</b> |                                               |           |                        |                  |                   |                 |                    | <b>6 credits</b>     |
| HHP272                                                | Introduction to Athletic Training             | 3         |                        |                  | X                 |                 | X                  | None                 |
| HHP412                                                | Adapted Physical Education                    | 3         |                        |                  |                   |                 | X                  | None                 |
| HHP350                                                | Coaching Methods                              | 3         |                        |                  | X                 |                 | X                  | None                 |
| HHP410                                                | Measurements and Evaluation<br>in Health & PE | 3         |                        | X                |                   | X               |                    | MATH205              |
| HHP450                                                | Curriculum and Methods of<br>Health Education | 3         |                        | X                |                   | X               |                    | None                 |
| <b>Select six credits from the following courses:</b> |                                               |           |                        |                  |                   |                 |                    | <b>6 credits</b>     |
| HHP250                                                | Teaching Core Activities II<br>Recreation     | 3         |                        |                  |                   | X               |                    | None                 |
| HHP355                                                | Teaching Core Activities III                  | 3         |                        |                  |                   | X               |                    | None                 |
| HHP356                                                | Teaching Core Activities IV                   | 3         |                        |                  |                   |                 | X                  | None                 |

## PHYSICS

The Physics Minor is a collaborative effort between Concordia and Eastern Michigan University that prepares secondary education students to teach high school physics. Students enrolled in Concordia's Teacher Education Program will be able to take physics courses at EMU and receive a Physics (DE) endorsement on their teaching certificates upon completion of the prescribed program. This minor may be combined with a Mathematics Major. For more information, contact faculty members of the Mathematics or Physics departments.

| <b>PHYSICS MINOR: SECONDARY EDUCATION</b>                                                                           |                                |           |                        |                  |                   |                 |                    | <b>2015-2016</b>                                                   |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------|------------------------|------------------|-------------------|-----------------|--------------------|--------------------------------------------------------------------|
| <b>STATE ENDORSEMENT CODE: DE</b>                                                                                   |                                |           |                        |                  |                   |                 |                    |                                                                    |
| <b>MTTC TEST CODE: 019</b>                                                                                          |                                |           |                        |                  |                   |                 |                    | <b>39 CREDITS</b>                                                  |
| <b>Course #</b>                                                                                                     | <b>Course Title</b>            | <b>CR</b> | <b>Year/Term Taken</b> | <b>Fall EVEN</b> | <b>Spring ODD</b> | <b>Fall ODD</b> | <b>Spring EVEN</b> | <b>Prerequisites</b>                                               |
| <b>Required courses taken at Concordia</b>                                                                          |                                |           |                        |                  |                   |                 |                    | <b>28 credits</b>                                                  |
| MATH201                                                                                                             | Calculus I                     | 4         |                        | X                |                   | X               |                    | MATH128, MATH150 or equivalent pre-calculus coursework             |
| MATH202                                                                                                             | Calculus II                    | 4         |                        |                  | X                 |                 | X                  | MATH201                                                            |
| MATH203                                                                                                             | Calculus III                   | 4         |                        | X                |                   | X               |                    | MATH202                                                            |
| MATH231                                                                                                             | Linear Algebra                 | 3         |                        |                  | X                 |                 | X                  | MATH201                                                            |
| MATH341                                                                                                             | Differential Equations         | 3         |                        |                  | X                 |                 | X                  | MATH202                                                            |
| PHYS223                                                                                                             | Mechanics, Sound & Heat        | 5         |                        | X                |                   | X               |                    | MATH201, Sufficient HS Physics, PHYS121 or Instructor's permission |
| PHYS224                                                                                                             | Electricity, Magnetism & Light | 5         |                        |                  | X                 |                 | X                  | MATH202& PHY223                                                    |
| <b>Required courses taken at Eastern Michigan University-grades and credits will need to be transferred to CUAA</b> |                                |           |                        |                  |                   |                 |                    | <b>11 credits</b>                                                  |
| PHYS330                                                                                                             | Intermediate Mechanics I       | 3         |                        |                  |                   |                 |                    |                                                                    |
| PHYS360                                                                                                             | Heat & Thermodynamics          | 4         |                        |                  |                   |                 |                    |                                                                    |
| PHYS370                                                                                                             | Modern Physics                 | 3         |                        |                  |                   |                 |                    |                                                                    |
| PHYS372                                                                                                             | Modern Physics Laboratory      | 1         |                        |                  |                   |                 |                    |                                                                    |

## SOCIAL STUDIES

Though the course of study in social studies is primarily aimed at preparing candidates for a life of service as teachers, it also is very helpful to those seeking preparation for law or other leadership positions in the church and world. Students will acquire the ability to use important concepts which describe and explain individual and human characteristics, both now and in the past. They will learn and develop skills in observing and analyzing a wide range of social behavior, as well as gain an understanding of the ways in which social structure and rules both frustrate and enhance individual perceptions. In addition, they will develop critical skills which will help them to gather and communicate social information. They will learn the major social and behavioral science concepts and skills and therefore become more effective leaders and servants. Finally, the curriculum places a strong emphasis on participation in society as productive citizens, ones who are able to "rule and be ruled finely" as people of God in the world.

| COMPREHENSIVE GROUP SOCIAL STUDIES MAJOR: SECONDARY EDUCATION                                                  |                                   |    |                 |           |            |          |             | 2015-2016                                 |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------|----|-----------------|-----------|------------|----------|-------------|-------------------------------------------|
| STATE ENDORSEMENT CODE: RX                                                                                     |                                   |    |                 |           |            |          |             |                                           |
| MTTC TEST CODE: 084                                                                                            |                                   |    |                 |           |            |          |             | 50 CREDITS                                |
| Course #                                                                                                       | Course Title                      | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                             |
| <b>Required Courses</b>                                                                                        |                                   |    |                 |           |            |          |             | <b>42 credits</b>                         |
| ECON222                                                                                                        | Micro-Economics                   | 3  |                 | X         |            | X        |             |                                           |
| ECON231                                                                                                        | Macro-Economics                   | 3  |                 |           | X          |          | X           |                                           |
| ECON370                                                                                                        | International Economics           | 3  |                 |           | X          |          | X           |                                           |
| GEOG 220                                                                                                       | Cultural Geography                | 3  |                 | X         |            | X        |             |                                           |
| GEOG356                                                                                                        | Global Environmental Issues       | 3  |                 | X         |            |          |             |                                           |
| HIST103                                                                                                        | Worldview: History                | 3  |                 | X         |            | X        |             |                                           |
| HIST153                                                                                                        | American Civilizations            | 3  |                 |           | X          |          | X           |                                           |
| HIST215                                                                                                        | Civil War                         | 3  |                 | X         |            | X        |             |                                           |
| HIST309                                                                                                        | Early America                     | 3  |                 |           | X          |          | X           |                                           |
| POLS101                                                                                                        | Introduction to Political Science | 3  |                 |           | X          |          | X           |                                           |
| POLS201                                                                                                        | American Government               | 3  |                 | X         |            | X        |             |                                           |
| POLS361                                                                                                        | Civil Rights and Civil Liberties  | 3  |                 |           | X          |          | X           |                                           |
| SOC255                                                                                                         | Urban Society                     | 3  |                 | X         | X          | X        | X           |                                           |
| SOC333                                                                                                         | Families in Society               | 3  |                 |           | X          |          | X           |                                           |
| <b>Electives</b>                                                                                               |                                   |    |                 |           |            |          |             | <b>6 credits</b>                          |
| Select a minimum of 6 credits from courses with the following prefixes:<br>ECON<br>GEOG<br>HIST<br>POLS<br>SOC |                                   |    |                 |           |            |          |             |                                           |
|                                                                                                                |                                   |    |                 |           |            |          |             |                                           |
|                                                                                                                |                                   |    |                 |           |            |          |             |                                           |
| <b>Senior Project</b>                                                                                          |                                   |    |                 |           |            |          |             | <b>2 credits</b>                          |
| SSC490                                                                                                         | Senior Seminar                    | 2  |                 | X         | X          | X        | X           | Senior Standing & Instructor's Permission |

\*This is an MDE endorsed group major so no minor course of study is required to obtain teacher certification.

## SPANISH

| SPANISH MINOR: SECONDARY EDUCATION  |                                    |    |                 |           |            |          |             | 2015-2016                                      |
|-------------------------------------|------------------------------------|----|-----------------|-----------|------------|----------|-------------|------------------------------------------------|
| STATE ENDORSEMENT CODE: FF          |                                    |    |                 |           |            |          |             |                                                |
| MTTC TEST CODE: 028                 |                                    |    |                 |           |            |          |             | 24 CREDITS                                     |
| Course #                            | Course Title                       | CR | Year/Term Taken | Fall EVEN | Spring ODD | Fall ODD | Spring EVEN | Prerequisites                                  |
| <b>Required Courses</b>             |                                    |    |                 |           |            |          |             | <b>18 credits</b>                              |
| SPAN201                             | Intermediate Spanish I             | 3  |                 |           |            |          |             | SPAN102 or 3 years of previous Spanish courses |
| SPAN202                             | Intermediate Spanish II            | 3  |                 |           |            |          |             | SPAN201 or 4 years of previous Spanish courses |
| SPAN301                             | Spanish Conversation & Composition | 3  |                 |           |            |          |             | SPAN202 or 4 years of previous Spanish courses |
| SPAN307                             | Applied Linguistics                | 3  |                 |           |            |          |             | SPAN301 or Consent of Instructor               |
| SPAN331                             | Advanced Grammar and Composition   | 3  |                 |           |            |          |             | SPAN301 or Consent of Instructor               |
| <b>Electives (choose 6 credits)</b> |                                    |    |                 |           |            |          |             | <b>6 credits</b>                               |
|                                     |                                    |    |                 |           |            |          |             |                                                |
|                                     |                                    |    |                 |           |            |          |             |                                                |

\*Candidates who select Spanish as a teachable minor are **required** to study abroad.

## SPECIAL EDUCATION-LEARNING DISABILITIES

| SPECIAL EDUCATION ENDORSEMENT (LEARNING DISABILITIES) |                                                                              |    |                 |      |        |        |                                             | 2015-2016  |
|-------------------------------------------------------|------------------------------------------------------------------------------|----|-----------------|------|--------|--------|---------------------------------------------|------------|
| STATE ENDORSEMENT CODE: SM                            |                                                                              |    |                 |      |        |        |                                             |            |
| MTTC TEST CODE: 063                                   |                                                                              |    |                 |      |        |        |                                             | 32 CREDITS |
| Course #                                              | Course Title                                                                 | CR | Year/Term Taken | Fall | Spring | Summer | Prerequisites                               |            |
| EDU491                                                | Intro to Learning Disabilities                                               | 3  |                 |      | X      |        |                                             |            |
| EDU492                                                | Special Education Legislation and Legal Guidelines                           | 3  |                 | X    |        |        | EDU491                                      |            |
| EDU493                                                | Meeting the Social, Emotional and Behavioral Needs of Students               | 3  |                 | X    |        |        | EDU491                                      |            |
| EDU495                                                | Determining Eligibility and Designing Educational Programs                   | 3  |                 |      | X      |        | EDU491                                      |            |
| EDU494                                                | Collaboration with Parents, Students and Other Professionals                 | 3  |                 | X    |        |        | EDU495                                      |            |
| EDU496                                                | Language and Literacy                                                        | 3  |                 |      | X      |        | EDU495                                      |            |
| EDU497                                                | Math Strategies for Special Learning Needs                                   | 3  |                 | X    |        |        | EDU495                                      |            |
| EDU498                                                | Instruction Across the Content Areas for Students with Learning Disabilities | 3  |                 |      | X      |        | EDU495                                      |            |
| EDU499                                                | Directed Teaching in Special Education                                       | 12 |                 | X    | X      |        | Completion of all courses in the SpED major |            |

## LUTHERAN TEACHER DIPLOMA (LTD)

The LTD program is designed to prepare confirmed members of the Lutheran Church-Missouri Synod to serve as rostered members of the teaching ministry in the schools and congregations of the church. Designed for both elementary and secondary teacher education programs, it requires 19 credits, 12 of which are included in the core curriculum, in addition to the graduation requirements for the elementary and secondary teacher education programs.

| LUTHERAN TEACHER DIPLOMA |                                 |    |                |          |             |           |            |              | 2015-2016<br>19 CREDITS             |
|--------------------------|---------------------------------|----|----------------|----------|-------------|-----------|------------|--------------|-------------------------------------|
| Course                   | Course Title                    | CR | Semester taken | ODD Fall | EVEN Spring | EVEN Fall | ODD Spring | WINT         | Prerequisites                       |
| REL201                   | Old Testament                   | 3  |                | X        |             | X         |            |              | NONE                                |
| REL203                   | New Testament                   | 3  |                |          | X           |           | X          |              | REL201                              |
| REL204                   | Biblical Theology               | 3  |                | X        |             | X         |            | WINT<br>ODD  | REL201, REL203                      |
| REL404                   | Lutheran Confessions            | 3  |                |          | X           |           | X          | WINT<br>EVEN | REL201, REL203, REL204              |
| REL333                   | Survey of Christian Thought     | 3  |                | X        | X           | X         | X          |              | REL201, REL203                      |
| EDU408                   | Teaching the Christian Faith    | 2  |                | X        | X           | X         | X          |              | Admitted to the School of Education |
| EDU445                   | Office of the Christian Teacher | 2  |                | X        | X           | X         | X          |              | Admitted to the School of Education |

## FAMILY LIFE EDUCATION

**Overview:** The intent of the program is to prepare men and women for a life of service in the church and in the world, within the specialized area of Family Life. The Family Life Education Major is an applied field of study, with a conceptual inter-disciplinary foundation in psychology, sociology, law, economics, and theology. As the most basic social institution, families who are committed to Christ and a life of service, represent one of the most positive influences which will impact our world. The Family Life graduate will leave Concordia with the academic and practical training necessary to develop and implement programming to build and equip, strong healthy families. The National Council on Family Relations (NCFR) has certified the Family Life Education Major, thus enabling eligible graduates to seek professional certification as a CFLE -- Certified Family Life Educator.

**Required Minor:** Students majoring in Family Life Education are required to select one of the minors listed below. Only students accepted into the Family Life Program may take one of these specialized minors. These minors further the academic preparation of the student in their chosen professional area, as well as provide practical experiences in related “real-life” work settings. Certain classes within each minor may be taken as an elective by any Concordia student.

- The **Child Life Specialist** minor is a series of five courses, a field work requirement, and an internship designed to deepen an understanding of child development and the processes of supporting children and families during a medical intervention, crises, or hospitalization. This series of classes support students in preparation for the *Child Life Council* national certification exam to become a Certified Child Life Specialist.
- The **Community Services** minor is a series of five courses, a field work requirement, and an internship which prepares students for service in public agencies and private non-profit settings where they seek to support children, youth, parents and families in addressing various personal needs, safety concerns, well-being issues, and home management challenges that occur in the course of everyday living.
- The **Children’s Ministry** minor is a series of five courses, a field work requirement, and an internship that prepares a student for work and service in a Christian ministry setting where the goal is to strengthen and support parents and those who serve young children in further developing the faith and Christian life of God’s little ones.
- The **Youth Ministry** minor is a series of five courses, a field work requirement, and an internship which enhances a sense of calling to serve young people, and deepens the needed knowledge and skills of a future ministry professional, who will serve the homes of adolescents within a church or community setting.

**Church Work Certification:** Students seeking to become a Commissioned Minister on the roster of the Lutheran Church-Missouri Synod as a Director of Family Life Ministry (DFLM) will successfully complete the Family Life Education Major, the Community Services Minor, Children’s Ministry Minor, or Youth Ministry Minor, as well as the 19 credits required for rostered status in the LCMS. Several of these courses can also count toward completion of the Concordia University Core Curriculum.

**Academic Requirements:** Students must possess an overall 2.5 grade point average (GPA) in order to apply to the Family Life Program at Concordia University, Ann Arbor, and maintain an overall GPA of 2.5 once admitted to the program to remain in good standing. In order for a course in the Family Life curriculum to count towards completion of the Major or within a Minor, a grade of 2.0 (letter grade of C) or above must be earned. Should a Family Life student earn less than a 2.0 in a Family Life Education Major or Program Minor course, the class must be repeated and a grade of 2.0 or above earned for it to count. Should a Family Life student fall below an overall GPA of 2.5, the student will be placed on academic probation within the Family Life Program until the GPA is again at or above 2.5. The Family Life Education Major cannot be completed unless the student’s overall GPA is 2.5 or above. Students on program or university academic probation will not be placed in any type of field work or internship assignment until the GPA is raised to meet these set standards.

**Field Work and Intern Placements:** A general Field Work placement is required for all students in the Family Life Education Major. This is allowed only after the student has been accepted into the program and who continues to meet all academic requirements. This initial placement is FAM 390—Field Work in Family Life, the assignment is determined through a meeting between the student and a Family Life faculty member. Attempts will be made to align the placement site experience with the professional goals of the student.

Additional Field Work experiences and Internships take place within each minor. In these instances the placement reflects the chosen minor and further prepares the student for their professional emphasis within the field of Family Life services. Hours and time requirements will vary depending which minor the student has chosen, but all Internships will meet a requirement of a minimum of 480 hours. The Internship is usually taken after all the required course work in the program has been completed.

For those seeking placement in a congregation of The Lutheran Church Missouri Synod, placement staff of CUAA and the Family Life Department will individually support each student through the various steps of the *Call* process.

| <b>FAMILY LIFE EDUCATION MAJOR</b>                                                                                                 | <b>36 crs.</b> | <b>REQUIRED RELATED MINORS</b>                                | <b>28 crs.</b> |
|------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------|----------------|
| <b>Required Courses:</b>                                                                                                           |                | <i>Choose one (1) of the following:</i>                       |                |
| COMM 201 Interpersonal Communication                                                                                               | 3 crs.         | <b>Child Life Specialist:</b>                                 |                |
| FAM 311 Family Dynamics & Resource Management                                                                                      | 3 crs.         | FAM 331 Observations of Infant and Toddler Development        | 3 crs.         |
| FAM 321 Parent Education & Guidance                                                                                                | 3 crs.         | FAM 332 Observations of PreSchool Development                 | 3 crs.         |
| FAM 411 Family Law and Public Policy                                                                                               | 3 crs.         | FAM 333 The Hospitalized Child                                | 3 crs.         |
| FAM 421 Family Life Methodology                                                                                                    | 3 crs.         | FAM 334 Therapeutic Interventions for the Hospitalized Child  | 3 crs.         |
| PSY 221 Child Development                                                                                                          | 3 crs.         | FAM 335 Child Life Specialist Seminar                         | 1 crs.         |
| PSY 222 Adolescent Development                                                                                                     | 3 crs.         | FAM 391 Field Work in the Hospital                            | 3 crs.         |
| PSY 421 Human Sexuality                                                                                                            | 3 crs.         | FAM 491 Child Life Hospital Internship                        | 12 crs.        |
| PHIL 250 Moral Philosophy                                                                                                          | 3 crs.         | <b>Community Services:</b>                                    |                |
| SOC 333 Families in Society                                                                                                        | 3 crs.         | FAM 340 Administrative Skills of Human Services Organizations | 3 crs.         |
| SOC 345 Adulthood and Aging                                                                                                        | 3 crs.         | FAM 341 Cultural & Social Diversity in America                | 3 crs.         |
| FAM 390 Fieldwork in Family Life                                                                                                   | 3 crs.         | FAM 342 Change: Theory & Practice                             | 3 crs.         |
| <b>Church Work Requirements – 19 crs. -- Required of students seeking to join the roster of the Lutheran Church-Missouri Synod</b> |                | FAM 343 Special Topics in Social Services                     | 3 crs.         |
| REL 201 Old Testament                                                                                                              | 3 crs.         | FAM 344 Practice Skills Seminar                               | 1 crs.         |
| REL 203 New Testament                                                                                                              | 3 crs.         | FAM 392 Field Work in the Community                           | 3 crs.         |
| REL 204 Biblical Theology                                                                                                          | 3 crs.         | FAM 492 Internship in Community Services                      | 12 crs.        |
| REL 333 Survey of Christian Thought                                                                                                | 3 crs.         | <b>Children’s Ministry</b>                                    |                |
| REL 404 Lutheran Confessions                                                                                                       | 3 crs.         |                                                               |                |
| EDU 408 Teaching the Christian Faith                                                                                               | 2 crs.         |                                                               |                |



EDU 445 Office of the Christian Teacher 2 crs.  
*Student majoring in Family Life are required to select one of the following minors (see next column). These minors are not available to non-Family Life students.*

FAM 422 Leadership in Children's Ministry 3 crs.  
 FAM 423 Practical Skills in Children's Ministry 3 crs.  
 FAM 424 Designing Children's Ministry for the Church and Home 3 crs.  
 FAM 425 Children's Ministry Administration 3 crs.  
 FAM 426 Children's Ministry Seminar 1 crs.  
 FAM 393 Field Work in Children's & Family Ministry 3 crs.  
 FAM 493 Internship in Children's & Family Ministry 12 crs.  
**Youth Ministry**  
 FAM 430 Foundations of Youth Ministry 3 crs.  
 FAM 431 Youth Culture 3 crs.  
 FAM 432 Youth Ministry Administration 3 crs.  
 FAM 433 Youth Ministry Seminar 1 crs.  
 FAM 434 Youth Ministry Skills 3 crs.  
 FAM 394 Field Work in Youth & Family Ministry 3 crs.  
 FAM 494 Internship in Youth & Family 12 crs.

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 INDUSTRIAL ENGINEERING, UNIVERSIDAD DE LOS ANDES, BOGOTA, B.S.;  
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## COURSE DESCRIPTIONS

### ACCOUNTING

**ACCT 201 ACCOUNTING PRINCIPLES I (FORMERLY ACCT 101)** EMPHASIS IS PLACED ON THE PROCESS OF IDENTIFYING, MEASURING, RECORDING, AND COMMUNICATING THE ECONOMIC EVENTS OF A BUSINESS. AREAS OF COVERAGE INCLUDE ETHICS; THE ACCOUNTING CYCLE (MANUAL AND COMPUTERIZED); FINANCIAL STATEMENTS PRESENTATION & ANALYSIS; MERCHANDISING; INTERNAL CONTROLS; CASH; RECEIVABLES; AND LONG-LIVED ASSETS. PREREQUISITE SOPHOMORE STANDING, EXCEPT ACCOUNTING MAJORS. 3 CREDITS.

**ACCT 202 ACCOUNTING PRINCIPLES II (FORMERLY ACCT 102)** IS A CONTINUATION OF ACCT 201 (ACCOUNTING PRINCIPLES I) . TOPICS OF CORPORATE OPERATIONS ARE COVERED INCLUDING CAPITAL STOCK AND DIVIDEND TRANSACTIONS, STOCKHOLDERS' EQUITY, AND BOND FINANCING . THE STATEMENT OF CASH FLOWS, FINANCIAL STATEMENT ANALYSIS, AND PARTNERSHIPS AS A FORM OF BUSINESS ARE ALSO STUDIED . PREREQUISITE: ACCT 201, SOPHOMORE STANDING, EXCEPT ACCOUNTING MAJORS . 3 CREDITS

**ACCT 203 FINANCIAL ACCOUNTING** EMPHASIS IS PLACED ON THE PROCESS OF IDENTIFYING, MEASURING, RECORDING, AND COMMUNICATING THE ECONOMIC EVENTS OF A BUSINESS . AREAS OF COVERAGE INCLUDE ETHICS; THE ACCOUNTING CYCLE (MANUAL AND COMPUTERIZED); FINANCIAL STATEMENTS PRESENTATION & ANALYSIS; MERCHANDISING; INTERNAL CONTROLS; CASH; RECEIVABLES; LONG-LIVED ASSETS; CAPITAL STOCK AND DIVIDEND TRANSACTIONS; STOCKHOLDERS' EQUITY; AND BOND FINANCING . PREREQUISITE: SOPHOMORE STANDING, EXCEPT ACCOUNTING MAJORS . 3 CREDITS .

**ACCT 223 MANAGERIAL ACCOUNTING** THIS COURSE WILL INTRODUCE HOW MANAGERIAL ACCOUNTING INFORMATION IS USED IN MAKING BUSINESS DECISIONS. THE CONCEPTS COVERED, SUCH AS BUDGETING, ETHICS, PERFORMANCE MEASUREMENT AND COST CONTROL, WILL BE USEFUL TO ALL FUTURE DECISION MAKERS AND MANAGERS. PREREQUISITE: SOPHOMORE STANDING, EXCEPT ACCOUNTING MAJORS. 3 CREDITS.

**ACCT 310 INTERMEDIATE ACCOUNTING I** BUILDS ON THE ACCOUNTING FOUNDATION ESTABLISHED IN FINANCIAL ACCOUNTING. THE COURSE PROVIDES AN IN-DEPTH STUDY OF THE CONCEPTUAL AND TECHNICAL ISSUES SURROUNDING THE RECORDING AND REPORTING STANDARDS SET FORTH BY GENERALLY ACCEPTED ACCOUNTING PRINCIPLES (GAAP) IN THE U.S. AND COMPARES AND CONTRASTS THEM TO INTERNATIONAL ACCOUNTING STANDARDS. RESEARCH VIA THE FINANCIAL ACCOUNTING STANDARDS BOARD (FASB) CODIFICATION RESEARCH SYSTEM IS INTRODUCED. TOPICS INCLUDE: ACCOUNTING THEORY; THE ACCOUNTING CYCLE; ETHICS; THE FINANCIAL STATEMENTS AND FOOTNOTE DISCLOSURES; CASH RECEIVABLES; INVENTORY; LONG-LIVED ASSETS; AND CURRENT LIABILITIES. PREREQUISITE: A GRADE OF B OR BETTER IN ACCT 203. 3 CREDITS.

**ACCT 311 INTERMEDIATE ACCOUNTING II** EXTENDS THE STUDENT'S IN-DEPTH STUDY OF THE CONCEPTUAL AND TECHNICAL ISSUES SURROUNDING THE RECORDING AND REPORTING STANDARDS SET FORTH BY GAAP AND INTERNATIONAL ACCOUNTING STANDARDS. RESEARCH USING THE FASB CODIFICATION RESEARCH SYSTEM IS EMPHASIZED. TOPICS INCLUDE LONG-TERM DEBT; EQUITY; EARNINGS PER SHARE; LEASES; PENSIONS; INCOME TAXES; REVENUE RECOGNITION; INVESTMENTS; ACCOUNTING CHANGES; AND THE STATEMENT OF CASH FLOWS. PREREQUISITE: WITH A MINIMUM GRADE OF C IN ACCT 310. 3 CREDITS.

**ACCT 323 COST ACCOUNTING** EMPHASIZES COST MANAGEMENT WITH A STRATEGIC FOCUS. TOPICS INCLUDE JOB AND PROCESS COSTING; ACTIVITY-BASED COSTING; BUDGETING; COST ESTIMATION; VARIANCE ANALYSIS; STRATEGIC PERFORMANCE MEASUREMENT; QUALITY CONTROL AND PRICING

**ACCT 330 ADVANCED ACCOUNTING I** IS THE STUDY OF ADVANCED FINANCIAL ACCOUNTING ISSUES SUCH AS DERIVATIVE SECURITIES, FOREIGN CURRENCY, INTERIM FINANCIAL REPORTING, SEGMENT REPORTING, REVENUE RECOGNITION, BANKRUPTCY AND REORGANIZATION AND SPECIALIZED ACCOUNTING OF GOVERNMENT AND NON-PROFIT ENTITIES. PREREQUISITE: WITH A MINIMUM GRADE OF C IN ACCT 311. 3 CREDITS

**ACCT 350 INCOME TAX I** PRESENTS THE HISTORY OF FEDERAL INCOME TAXATION AND COVERS THE TAXATION OF PERSONAL INCOME. EMPHASIS IS FOCUSED ON THE DETERMINATION OF GROSS INCOME, ADJUSTED GROSS INCOME, DEDUCTIONS, CREDITS, AND CONSEQUENCES OF PROPERTY TRANSACTIONS. TAX POLICIES AND PROCEDURES OF THE INTERNAL REVENUE CODE AND INTERPRETATIONS OF THE INTERNAL REVENUE SERVICE ARE ANALYZED. PREREQUISITE: WITH A MINIMUM GRADE OF C IN ACCT 311. 3 CREDITS.

**ACCT 360 INCOME TAX II** STUDIES PARTNERSHIP, FIDUCIARY, AND CORPORATION INCOME TAX LAWS FOR PROPER TREATMENT OF VARIOUS TYPES OF INCOME, DEDUCTIONS, THE CONSEQUENCES OF OWNERSHIP INTERESTS, AND THE APPLICATION OF VARIOUS RATES TO TAXABLE SITUATIONS. COVERS THE ADMINISTRATIVE PROCEDURES FOR PROTESTS, REFUNDS, GIFT AND ESTATE TAXES. PREREQUISITE: WITH A MINIMUM GRADE OF C IN ACCT 350. 3 CREDITS.



**ACCT 420 AUDITING** PRESENTS THE THEORY; CONCEPTS AND TECHNIQUES UTILIZED BY INDEPENDENT AUDITORS; COVERS PROFESSIONAL ETHICS AND LEGAL RELATIONSHIPS; EVALUATING AND REPORTING ON INTERNAL CONTROL; PLANNING AND IMPLEMENTATION OF THE AUDIT PROCESS; AND FORMULATING SUBSTANTIVE TESTING PROCEDURES. ALSO PRESENTS THE ASSERTIONS USED BY MANAGEMENT IN THE PREPARATION OF FINANCIAL STATEMENTS. PREREQUISITES: WITH A MINIMUM GRADE OF C IN ACCT 311. 3 CREDITS.

**ACCT 425 ADVANCED AUDITING** COVERS ADVANCED AUDITING ISSUES SUCH AS INTEGRATED AUDITS OF LARGE PUBLIC COMPANIES, AUDITING COMPLEX DERIVATIVE SECURITIES, JUDGEMENTS ABOUT MATERIALITY AND MATERIAL INTERNAL CONTROL WEAKNESSES AND OTHER ASSURANCE SERVICES OFFERED BY CPAS. PREREQUISITE: WITH A MINIMUM GRADE OF C IN ACCT 420. 3 CREDITS

**ACCT 432 GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING** EMPHASIZES THE DIFFERENT CHARACTERISTICS OF GOVERNMENTAL AND NOT-FOR-PROFIT ORGANIZATIONS. TOPICS INCLUDE ACCOUNTING FOR STATE AND LOCAL GOVERNMENT ENTITIES AND THE ROLE OF THE GOVERNMENTAL ACCOUNTING STANDARDS BOARD (GASB); THE ACCOUNTABILITY FOR PUBLIC FUNDS; AND ACCOUNTING AND FINANCIAL REPORTING IN THE NOT-FOR-PROFIT SECTOR. PREREQUISITES: MINIMUM GRADE OF C IN ACCT 311. 3 CREDITS.

**ACCT 441 MERGERS AND ACQUISITIONS** COVERS BUSINESS CASE AND ACCOUNTING FOR MERGERS AND ACQUISITIONS, AND ADVANCED ACCOUNTING ISSUES INCLUDING CONSOLIDATIONS, EQUITY ACCOUNTING, VARIABLE INTEREST ENTITIES, AND TRANSLATION OF FOREIGN CURRENCY FINANCIAL STATEMENTS. PREREQUISITE: MINIMUM GRADE OF C IN ACCT 311. 3 CREDITS.

## ANTHROPOLOGY

**ANTH 201 CULTURAL ANTHROPOLOGY** SEEKS TO DEPICT AND EXPLAIN THE DIVERSE AND UNIVERSAL CHARACTERISTICS OF HUMAN BEHAVIOR WITH REGARD TO ECOLOGICAL AND SOCIO-CULTURAL FACTORS SUCH AS LANGUAGE, GENDER ROLES, MARRIAGE/FAMILY PRACTICES, MODES OF SUBSISTENCE, POLITICAL AND ECONOMIC STRUCTURES, RELIGION, AND ART. THE STUDENTS WILL PARTICIPATE IN ETHNOGRAPHIC RESEARCH THROUGH PERSONAL FIELDWORK EXPERIENCE AND INTERACTIVE MULTIMEDIA WITH APPLICATION TO CURRENT ISSUES IN ANTHROPOLOGY TODAY. 3 CREDITS.

## ART

**ART 110 GLASS** INTRODUCES THE STUDENT TO BASIC HOT AND COLD GLASSWORKING TECHNIQUES. STUDENTS WILL LEARN HOW TO GATHER AND MANIPULATE MOLTEN GLASS, USE COLOR IN GLASS, WORK WITH DIFFERENT TOOLS, AND MAKE A VARIETY OF BASIC FORMS. 3 CREDITS.

**ART 115 CERAMICS FOR NON-ART MAJORS** PROVIDES AN INTRODUCTION TO CLAY TECHNIQUES FOR THE PRODUCTION OF VESSELS, BOTH FUNCTIONAL AND AESTHETIC. STUDENTS RECEIVE INSTRUCTION IN DESIGN, HANDBUILDING, THROWING ON THE POTTER'S WHEEL, GLAZING AND FIRING. STUDIO FEE. FULFILLS THE CREATIVE ARTS REQUIREMENT IN ELECTIVE CORE. PREREQUISITE: NONE. 3 CREDITS.

**ART 145 DRAWING I FOR ART MAJORS** OFFERS RIGOROUSLY PACED INSTRUCTION IN DRAWING AS THE BASIS OF A STRONG FOUNDATION EXPERIENCE FOR ART, ART EDUCATION, GRAPHIC DESIGN, ILLUSTRATION AND INTERIOR DESIGN MAJORS. TECHNICAL PROFICIENCY, PERCEPTUAL ACCURACY AND VISUAL COMMUNICATION ARE STRESSED AS STUDENTS EXPLORE PERCEPTUAL AND CONCEPTUAL ISSUES THROUGH A VARIETY OF BLACK AND WHITE MEDIA. PREREQUISITE: STUDENT MUST BE AN ART DEPARTMENT MAJOR OR RECEIVE CONSENT OF INSTRUCTOR. STUDIO FEE. 3 CREDITS.

**ART 151 ART FUNDAMENTALS** PROVIDES AN INTRODUCTION TO STUDIO ART PROCESSES AND ART APPRECIATION. A VARIETY OF TWO-DIMENSIONAL AND THREE-DIMENSIONAL MEDIA ARE EXPLORED ALONG WITH PROBLEMS RELATED TO PERCEPTION, DESIGN, TECHNIQUE, AESTHETICS, ART HISTORY AND ART CRITICISM. FULFILLS CREATIVE ARTS REQUIREMENTS IN THE ELECTIVE CORE. STUDIO FEE. PREREQUISITE: NONE. 3 CREDITS

**ART 202 DRAWING & DESIGN II** THIS COURSE UTILIZES NATURE, STILL LIFE, AND THE HUMAN FIGURE TO STUDY LINE, FORM, SPACE, AND VALUE. A VARIETY OF WET AND DRY MEDIA PLUS THE INTRODUCTION OF COLOR ARE USED TO FURTHER DEVELOP THE STUDENT'S UNDERSTANDING AND SKILLS IN DRAWING AND DESIGN. 3 CREDITS.

**ART 210 3D DESIGN** BUILDS UPON PREVIOUSLY ACQUIRED DESIGN SKILLS THROUGH THE EXPLORATION OF THREE-DIMENSIONAL SPATIAL RELATIONSHIPS. STUDENTS EXTEND DESIGN PRINCIPLES TO COMMUNICATE IDEAS SUCCESSFULLY THROUGH VARIETY OF 3D MEDIA. PREREQUISITE: ART 145 OR CONSENT OF INSTRUCTOR. STUDIO FEE. 3 CREDITS.

**ART 230 PRINTMAKING STUDIO I** OFFERS STUDIO EXPERIENCE IN BASIC PRINTMAKING PROCESSES INCLUDING MONOTYPE, RELIEF, REDUCTION, INTAGLIO, AND SILKSCREEN TO EXTEND THEIR VISUAL COMMUNICATION SKILLS AND PRODUCE LIMITED OR MULTIPLE EDITION PRINTS. PREREQUISITE: ART 245 OR CONSENT OF INSTRUCTOR. STUDIO FEE. 3 CREDITS.

**ART 245 DRAWING II (ASSORTED MEDIA)** EXTENDS BASIC SKILLS LEARNED IN DRAWING I TO ASSORTED MEDIA INCLUDING PENCIL, COLORED PENCIL, PASTEL, CHARCOAL, PEN AND INK, BRUSH AND INK, AND CONTÉ. STUDENTS EXPLORE TRADITIONAL FORMS OF DRAWING SUCH AS STILL LIFE, THE HUMAN FIGURE, SELF PORTRAITURE AND LANDSCAPE AS THEY MOVE TOWARD ENGAGEMENT WITH MORE OPEN-ENDED PURSUITS THAT REQUIRE THEM TO CONFRONT THEIR OWN ARTISTIC SENSIBILITIES, REACTIONS AND CONCERNS THROUGH MIXED MEDIA. . PREREQUISITE: ART 145. STUDIO FEE. 3 CREDITS.

**ART 258 CERAMICS I** PROVIDES AN INTRODUCTION TO CLAY TECHNIQUES FOR THE PRODUCTION OF VESSELS, BOTH FUNCTIONAL AND AESTHETIC. STUDENTS RECEIVE INSTRUCTION IN DESIGN, HANDBUILDING, THROWING ON THE POTTER'S WHEEL, GLAZING AND FIRING. PREREQUISITE: ART 210, OR CONSENT OF INSTRUCTOR. STUDIO FEE. 3 CREDITS.

**ART 275 SCULPTURE I** INTRODUCES STUDENTS TO THE LANGUAGE, TECHNIQUES AND BASIC PROCESSES OF SCULPTURE. MEDIA COVERED INCLUDE CLAY, WAX, PLASTER, WOOD, AND STONE. PREREQUISITES: ART 210, OR CONSENT OF INSTRUCTOR. STUDIO FEE. 3 CREDITS.

**ART 276 SCULPTURE II** EXTENDS SKILLS ACQUIRED IN SCULPTURE I THROUGH THE EXPLORATION OF A VARIETY OF MEDIA INCLUDING STONE, WOOD, METAL, PLASTER AND MIXED MEDIA, AND TECHNIQUES SUCH AS CARVING, CASTING, MODELING AND ASSEMBLAGE. STUDENTS ARE CHALLENGED TO DEVELOP AND PURSUE INDIVIDUAL INTERESTS/THEMES OR MEDIA IN THREE DIMENSIONS. PREREQUISITE: ART 275. STUDIO FEE. 3 CREDITS.

**ART 280 LIVING WITH THE ARTS** EXAMINES THE LITERARY, MUSICAL, AND VISUAL ARTS FROM AN INTERDISCIPLINARY PERSPECTIVE. STUDENTS WILL LEARN THE LANGUAGE USED TO DISCUSS THE ARTS, DISCOVER STRATEGIES FOR ANALYZING THE ARTS, AND CREATE CONTEXTS FOR VALUING THE ARTS. FULFILLS CREATIVE ARTS REQUIREMENT IN THE ELECTIVE CORE AND REQUIREMENT FOR THE ART MAJOR. STUDIO FEE. 3 CREDITS.

**ART 281 LIVING WITH THE ARTS VA** WHILE EXAMINING THE LITERARY, MUSICAL, AND VISUAL ARTS FROM AN INTERDISCIPLINARY PERSPECTIVE, STUDENTS WILL LEARN THE LANGUAGE USED TO DISCUSS THE ARTS, DISCOVER STRATEGIES FOR ANALYZING THE ARTS, AND CREATE CONTEXTS FOR VALUING THE ARTS. FULFILLS CREATIVE ARTS REQUIREMENTS IN THE ELECTIVE CORE AND THE REQUIREMENT FOR THE VISUAL ART EDUCATION MAJOR - K-12 TEACHER EDUCATION PROGRAM. STUDIO FEE. 3 CREDITS.

**ART 285 ART HISTORY I** STUDIES THE MAJOR STYLISTIC PERIODS IN THE HISTORY OF ART, PREHISTORY TO EARLY RENAISSANCE, AS VIEWED FROM OUR PERSPECTIVE WITHIN WESTERN CIVILIZATION. EMPHASIS IS PLACED ON THE EVENTS, FORCES, PERSONALITIES, PHILOSOPHIES AND BELIEFS UNDERLYING EACH SUCCESSIVE STYLE, GENERATING A STRUCTURE FOR INTERPRETATION AND EVALUATION. OFFERED ONLY IN FALL SEMESTER. THIS COURSE DOES NOT HAVE TO BE TAKEN IN SEQUENCE WITH ART HISTORY II. FULFILLS CREATIVE ARTS REQUIREMENT IN THE ELECTIVE CORE. STUDIO FEE. 3 CREDITS.

**ART 286 ART HISTORY II** STUDIES THE MAJOR STYLISTIC PERIODS IN THE HISTORY OF ART, RENAISSANCE TO CONTEMPORARY, AS VIEWED FROM OUR PERSPECTIVE WITHIN WESTERN CIVILIZATION. EMPHASIS IS PLACED ON THE EVENTS, FORCES, PERSONALITIES, PHILOSOPHIES AND BELIEFS UNDERLYING EACH SUCCESSIVE STYLE, GENERATING A STRUCTURE FOR INTERPRETATION AND EVALUATION. THIS COURSE DOES NOT HAVE TO BE TAKEN IN SEQUENCE WITH ART HISTORY I. FULFILLS CREATIVE ARTS REQUIREMENT IN THE ELECTIVE CORE. STUDIO FEE. 3 CREDITS.

**ART 330 PRINTMAKING STUDIO II** EXTENDS SKILLS DEVELOPED IN PRINTMAKING I THROUGH AN IN-DEPTH STUDY OF PRINTMAKING MEDIA AND/OR THE EXAMINATION OF NEW TECHNIQUE(S). STUDENTS WORK CLOSELY WITH THE INSTRUCTOR TO DEVELOP AND FOLLOW A PERSONALIZED COURSE OF STUDY. PREREQUISITE: ART 230. STUDIO FEE. 3 CREDITS.

**ART 331/332 PRINTMAKING STUDIOS III-IV** OFFERS AND OPPORTUNITY FOR INDEPENDENTLY MOTIVATED STUDENTS WITH A HIGH INTEREST IN PRINTMAKING PROCESSES TO SELECT ONE MEDIUM FOR IN-DEPTH EXPLORATION. STUDENTS WORK CLOSELY WITH THE INSTRUCTOR TO DEVELOP AND FOLLOW A PERSONALIZED COURSE OF STUDY. PREREQUISITE: ART 330. STUDIO FEE. 3 CREDITS.

**ART 341 PAINTING I** EXPLORES PAINTING AS AN INTEGRATIVE PROCESS INVOLVING ASPECTS OF DRAWING, DESIGN, COLOR AND IMAGE IN THE ORGANIZATION OF A TWO-DIMENSIONAL SURFACE. PREREQUISITE: ART245. STUDIO FEE. 3 CREDITS.

**ART 342 PAINTING II** OFFERS ADVANCED OPPORTUNITIES FOR THE STUDY OF COLOR, SUBJECT AND SURFACE AND ITS RELATIONSHIP TO A VARIETY OF PAINTING MEDIA. PREREQUISITE: ART341. STUDIO FEE. 3 CREDITS.

**ART 358 CERAMICS II** OFFERS ADVANCED OPPORTUNITIES FOR STUDENTS TO ACHIEVE MASTERY IN THE PRODUCTION OF WHEELTHROWN FORMS, POTTERY DESIGN, AND GLAZE PRODUCTION. OTHER PROCESSES FOR EXPLORATION MAY INCLUDE RAKU AND LOW SALTFIRE. PREREQUISITE: ART 258. STUDIO FEE. 3 CREDITS.

**ART 382 20TH CENTURY ARTS & CULTURE** IS AN INTERDISCIPLINARY STUDY OF SELECTED CULTURAL AND ARTISTIC MOVEMENTS OF THE TWENTIETH CENTURY WHICH CONSTITUTE MODERNISM, WITH AN EYE TO A BETTER UNDERSTANDING OF CONTEMPORARY CULTURE. STUDENTS WILL CONSIDER HOW WESTERN ARTISTS OF ALL KINDS - LITERARY, VISUAL, MUSICAL - HAVE RESPONDED TO THE EXPERIENCE OF LIVING IN THE TWENTIETH CENTURY. THOUGH THE EMPHASIS OF THE COURSE IS ON MODERNISM, RELATED DEVELOPMENTS IN TWENTIETH CENTURY ART WILL ALSO BE EXAMINED. THIS COURSE FULFILLS THE REQUIREMENT FOR THE ART MAJOR. STUDIO FEE. 3 CREDITS.

**ART 384 20TH CENTURY ARTS & CULTURE VA** THIS COURSE IS AN INTERDISCIPLINARY STUDY OF SELECTED CULTURAL AND ARTISTIC MOVEMENTS OF THE TWENTIETH CENTURY WHICH CONSTITUTE MODERNISM, WITH AN EYE TO A BETTER UNDERSTANDING OF CONTEMPORARY CULTURE. STUDENTS WILL CONSIDER HOW WESTERN ARTISTS OF ALL KINDS - LITERARY, VISUAL, MUSICAL - HAVE RESPONDED TO THE EXPERIENCE OF LIVING IN THE TWENTIETH CENTURY. THOUGH THE EMPHASIS OF THE COURSE IS ON MODERNISM, RELATED DEVELOPMENTS IN TWENTIETH CENTURY ART WILL ALSO BE EXAMINED. THIS COURSE IS A REQUIREMENT FOR THE VISUAL ARTS EDUCATION MAJOR - K-12 TEACHER EDUCATION PROGRAM. STUDIO FEE. 3 CREDITS.

**ART 385 ART HISTORY I (w)** STUDIES THE MAJOR STYLISTIC PERIODS IN THE HISTORY OF ART, PREHISTORY TO EARLY RENAISSANCE, AS VIEWED FROM OUR PERSPECTIVE WITHIN WESTERN CIVILIZATION. EMPHASIS IS PLACED ON THE EVENTS, FORCES, PERSONALITIES, PHILOSOPHIES AND BELIEFS UNDERLYING EACH SUCCESSIVE STYLE, GENERATING A STRUCTURE FOR INTERPRETATION AND EVALUATION. OFFERED ONLY IN FALL SEMESTER. THIS COURSE DOES NOT HAVE TO BE TAKEN IN SEQUENCE WITH ART HISTORY II. STUDIO FEE. FULFILLS CREATIVE ARTS REQUIREMENT IN THE ELECTIVE CORE. FULFILLS THE REQUIREMENT FOR THE ART MAJOR. 3 CREDITS.

**ART 386 ART HISTORY II (w)** STUDIES THE MAJOR STYLISTIC PERIODS IN THE HISTORY OF ART, RENAISSANCE TO CONTEMPORARY, AS VIEWED FROM OUR PERSPECTIVE WITHIN WESTERN CIVILIZATION. EMPHASIS IS PLACED ON THE EVENTS, FORCES, PERSONALITIES, PHILOSOPHIES AND BELIEFS UNDERLYING EACH SUCCESSIVE STYLE, GENERATING A STRUCTURE FOR INTERPRETATION AND EVALUATION. THIS COURSE DOES NOT HAVE TO BE TAKEN IN SEQUENCE WITH ART HISTORY I. STUDIO FEE. FULFILLS CREATIVE ARTS REQUIREMENT IN THE ELECTIVE CORE. FULFILLS THE REQUIREMENT FOR THE ART MAJOR. 3 CREDITS.

**ART 401 INDEPENDENT STUDIO ART I** OFFERS THE HIGHLY MOTIVATED, SELF DIRECTED ART STUDENT A UNIQUE OPPORTUNITY TO EXPLORE AN AREA OF PERSONAL INTEREST IN DEPTH. STUDENTS MEET REGULARLY WITH AN INSTRUCTOR FOR GUIDANCE AS THEY PLAN AND EXECUTE THEIR INDIVIDUALIZED COURSE OF STUDY. PREREQUISITES: CONSENT OF INSTRUCTOR. STUDIO FEE. 1- 3 CREDITS. MAY BE REPEATED UP TO 3 CREDITS.

**ART 402 INDEP STUDIO ART II** OFFERS THE HIGHLY MOTIVATED, SELF-DIRECTED ART STUDENT A UNIQUE OPPORTUNITY TO EXPLORE AN AREA OF PERSONAL INTEREST IN DEPTH. STUDENTS MEET REGULARLY WITH AN INSTRUCTOR FOR GUIDANCE AS THEY PLAN AND EXECUTE THEIR INDIVIDUALIZED COURSE OF STUDY. PREREQUISITES: ART 401 AND CONSENT OF INSTRUCTOR. STUDIO FEE. 1-3 CREDITS. MAY BE REPEATED UP TO 6 CREDITS.

**ART 450 SENIOR PORTFOLIO** GUIDES THE STUDENT IN THE PREPARATION OF A PROFESSIONAL PORTFOLIO. IN THIS CAPSTONE COURSE, STUDENTS ASSEMBLE APPROPRIATE DOCUMENTARY EVIDENCE OF THEIR SKILLS AND PREPARE AN EXHIBIT OF THEIR WORK IN THE KREFT ART GALLERY. PREREQUISITE: STATUS AS AN ART OR GRAPHIC ARTS MAJOR IN THE FINAL SEMESTER. STUDIO FEE. 1 CREDIT.

## BIOLOGY

**BIO 100 PRINCIPLES OF BIOLOGY** STUDENTS EXPLORE THE FUNDAMENTAL CONCEPTS OF BIOLOGY IN THE FIELDS OF: RESEARCH SCIENCE, CYTOLOGY, GENETICS, MICROBIOLOGY, HUMAN BIOLOGY, BOTANY, TAXONOMY, ZOOLOGY, ECOLOGY AND EVOLUTION THROUGH READING, ONLINE ACTIVITIES, LECTURE AND LABORATORY EXPERIENCES. FULFILLS THE LAB SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 4 CREDITS.

**BIO 156 ENVIRONMENTAL SCIENCE** THE COURSE REVIEWS PROCESSES THAT AFFECT NATURAL ENVIRONMENTS AND INCORPORATES ASPECTS OF BIOLOGY, EARTH SCIENCE, AND PUBLIC POLICY IN ORDER TO HELP STUDENTS EVALUATE THE ENVIRONMENTAL ISSUES OF TODAY. TOPICS WILL INCLUDE CONSERVATION, GLOBAL WARMING, ENERGY PRODUCTION, POLLUTION, SUSTAINABILITY, ENVIRONMENTAL LAW, HUMAN POPULATION GROWTH AND OTHER PERTINENT ENVIRONMENTAL ISSUES. CROSSLISTED WITH GEOG356. 4 CREDITS.

**BIO 181 FUNCTIONAL ANATOMY AND PHYSIOLOGY I** IS AN IN-DEPTH STUDY OF NORMAL HUMAN ANATOMY & PHYSIOLOGY AND SOME COMMON PATHOLOGIC STATES. THIS COURSE BEGINS WITH A STUDY OF THE CELL AND CELLULAR PROCESSES AND TISSUES. IT CONTINUES WITH INVESTIGATION OF THE INTEGUMENTARY, SKELETAL, MUSCULAR, AND NERVOUS SYSTEMS. LAB WORK INCLUDES EXERCISES USING LIGHT MICROSCOPE SLIDES, COMPUTER-BASED PHYSIOLOGY DATA COLLECTION AND ANALYSIS, DISSECTION WORKING BOTH INDIVIDUALLY AND WITH PARTNERS. THIS COURSE IS TARGETED TO BIOLOGY MAJORS AND BIOMEDICAL SCIENCE MAJORS. FULFILLS THE LAB SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 4 CREDITS.

**BIO 182 FUNCTIONAL ANATOMY AND PHYSIOLOGY II** IS A CONTINUATION OF BIO 181 AND PROVIDES STUDENTS WITH AN IN-DEPTH STUDY OF THE ENDOCRINE, CIRCULATORY, RESPIRATORY, DIGESTIVE, EXCRETORY, AND REPRODUCTIVE SYSTEMS, AND CONCLUDES WITH A STUDY OF BASIC HUMAN DEVELOPMENT. 4 CREDITS.

**BIO 240 ZOOLOGY** IS A SURVEY OF THE ANIMAL KINGDOM AND STUDY OF THE BIOLOGY OF ANIMALS IN THEIR NATURAL ENVIRONMENT. PREREQUISITE: BIO 140 OR BIO 270. 4 CREDITS.

**BIO 244 BOTANY** IS AN IN-DEPTH STUDY OF THE PLANT KINGDOM WITH EMPHASIS ON THE STUDY OF PLANTS IN THEIR NATURAL HABITAT. PREREQUISITE: BIO 140 OR BIO 270. 4 CREDITS.

**BIO 260 BIOLOGY OF MICROORGANISMS** FOCUSES ON THE BIOLOGY AND GENETICS OF ORGANISMS TOO SMALL TO BE SEEN BY THE HUMAN EYE. STUDENTS WILL BE INTRODUCED TO THE ROLES BACTERIA, VIRUSES, AND EUKARYOTIC MICROBES PLAY IN THE ENVIRONMENT AND HUMAN DISEASE. PREREQUISITE: ONE YEAR OF CHEMISTRY. 4 CREDITS.

**BIO 285 PATHOPHYSIOLOGY** INTRODUCES THE STUDENT TO THE STUDY OF THE ETIOLOGY, PATHOGENESIS AND CLINICAL MANIFESTATIONS OF COMMON DISEASE PROCESSES. BASIC PRINCIPLES INTO THE MECHANISM OF CELLULAR AND TISSUE INJURY IS FOLLOWED BY PRESENTATIONS OF COMMON DISEASES IN THE VARIOUS ORGAN SYSTEMS. PREREQUISITES: TWO SEMESTERS OF ANATOMY & PHYSIOLOGY (BIO 270/2, BIO 275/6, BIO 280/2) OR GENERAL BIOLOGY (BIO 140/2 OR BIO 150/2). 3 CREDITS.

**BIO 321 CELL BIOLOGY (w)** PROVIDES A MORE DETAILED STUDY OF THE RELATIONSHIPS BETWEEN CELLULAR STRUCTURE AND FUNCTION. CELL BIOLOGY IS DESIGNED TO COMPLEMENT THE MATERIAL COVERED IN BIO 348 GENETICS. EMPHASIS WILL BE PLACED ON PROTEINS AND ENZYMATIC REACTIONS, PLASMA AND CELLULAR MEMBRANES, CYTOSKELETON AND CELL MOTILITY, CELLULAR INTERACTIONS WITH THE ENVIRONMENT, AND CELL DIVISION. PREREQUISITES: 12 HOURS. BIOLOGY, 8 HOURS. CHEMISTRY. 4 CREDITS.

**BIO 348 GENETICS** IS A STUDY OF MENDELIAN, MOLECULAR, AND POPULATION GENETICS. PREREQUISITES: 12 HOURS OF BIOLOGY, 8 HOURS CHEMISTRY, AND MATH 205. 4 CREDITS.

**BIO 351 IMMUNOLOGY (w)** INTRODUCES THE UPPER LEVEL BIOLOGY STUDENT TO THE PRINCIPLES OF THE ADAPTIVE AND INNATE IMMUNE SYSTEMS AND HOW THESE SYSTEMS PROTECT AGAINST AND CAUSE DISEASE. EMPHASIS IS PLACED ON HOW THE CELLS OF THE IMMUNE SYSTEM RECOGNIZE AND ELIMINATE FOREIGN INVADERS FROM THE HUMAN BODY. PREREQUISITES: 12 CREDITS IN BIOLOGY, 8 CREDITS IN CHEMISTRY. 3 CREDITS.

**BIO 367 ECOLOGY OF THE TROPICS** IS A FIELD STUDY OF TROPICAL HABITATS AND ORGANISMS AS WELL AS THEIR INTERACTIONS WITH HUMANS. REQUIRES CLASS TRAVEL TO THE CARIBBEAN OR CENTRAL AMERICA. STUDENTS WILL EXPERIENCE THE INFLUENCE OF SPANISH, FRENCH, DUTCH, BRITISH, AFRICAN, AND US CULTURES ON THIS DIVERSE REGION. CROSSLISTED (CARIBBEAN): GEOG 367. 3 CREDITS. THIS IS A TRAVEL COURSE. TRAVEL COSTS WILL BE IN ADDITION TO TUITION. FOR QUALIFIED STUDENTS, TRAVEL GRANTS ARE AVAILABLE. COMBINED WITH BIO 368, THIS COURSE FULFILLS THE LAB SCIENCE REQUIREMENT IN THE ELECTIVE CORE.

**BIO 368 TROPICAL ECOLOGY LAB** PROVIDES LABORATORY EXPERIENCE THAT COMPLEMENTS BIO 367. BIO 367 AND BIO 368 TOGETHER FULFILL THE CORE LAB SCIENCE REQUIREMENT. 1 CREDIT. COMBINED WITH BIO 367, THIS COURSE FULFILLS THE LAB SCIENCE REQUIREMENT IN THE ELECTIVE CORE.

**BIO 410 ECOLOGY** IS A STUDY OF THE INTERACTIONS BETWEEN THE ORGANISM AND ITS ENVIRONMENT. ECOLOGY SURVEYS THE BIOTIC AND ABIOTIC ENVIRONMENTS, ECOSYSTEM TYPES, POPULATION ECOLOGY, COMMUNITY STRUCTURE, AND SUCCESSION. PREREQUISITE: BIO 140, BIO 240, BIO 244, AND MATH 121. 4 CREDITS.

**BIO 425 BIOCHEMISTRY** INTRODUCES THE STUDENT TO THE WAYS IN WHICH ATOMS AND MOLECULES FUNCTION AND INTERACT TO PRODUCE LIFE PROCESSES. TOPICS INCLUDE PROTEIN STRUCTURE AND FUNCTION, CARBOHYDRATE AND LIPID STRUCTURE AND METABOLISM, MOLECULAR BIOLOGY AND PHOTOSYNTHESIS. PREREQUISITES: CHEM 242 OR CONSENT OF THE INSTRUCTOR. CROSSLISTED: CHEM 425. 4 CREDITS.

**BIO 430 PHARMACOLOGY** FOCUSES ON THE PRINCIPLES OF DRUG ACTION. THESE PRINCIPLES WILL THEN BE INVOKED IN THE DISCUSSION OF VARIOUS THERAPEUTIC INTERVENTIONS FOR DISEASES ASSOCIATED WITH SELECTED ORGAN SYSTEMS. TREATMENT OF PATHOGENIC DISEASES AND CANCER WILL BE DISCUSSED AS WELL AS THE USE OF NATURAL PRODUCTS. PREREQUISITES: 16 HOURS BIOLOGY AND 16 HOURS OF CHEMISTRY. 3 CREDITS.

**BIO 490 BIOLOGY SEMINAR** LOOKS AT CURRENT ISSUES IN BIOLOGY BY EVALUATING THE BIOLOGICAL LITERATURE. A GENERAL TOPIC AREA IS SELECTED EACH SEMESTER AND PRESENTATIONS ARE MADE BY STUDENTS, FACULTY, AND OUTSIDE SPEAKERS. JUNIOR STATUS. CAN BE TAKEN UP TO FOUR TIMES FOR CREDIT. 1 CREDIT.

**BIO 499 UNDERGRADUATE RESEARCH** UNDERGRADUATE RESEARCH PROVIDES STUDENTS WITH THE OPPORTUNITY TO WORK WITH MEMBERS OF THE FACULTY CONDUCTING RESEARCH IN THE BIOLOGICAL SCIENCES. STUDENTS MUST SUBMIT APPROPRIATE FORM TO THE DEPARTMENT CHAIR FOR APPROVAL. PREREQUISITE: FACULTY CONSENT. 1-4 CREDITS.

## BUSINESS

**BUS 161 BUSINESS ESSENTIALS** PROVIDES AN OVERVIEW OF INFORMATION TECHNOLOGY AS APPLIED TO THE BUSINESS AREA. THE COURSE EXPLORES THE USE OF VARIOUS INFORMATION TECHNOLOGY FORMATS FOR COMMUNICATION, DATA MANAGEMENT AND PROBLEM SOLVING IN ORGANIZATIONS. INFORMATION TECHNOLOGY TERMINOLOGIES ALONG WITH ETHICAL ISSUES ARE INTRODUCED IN THE COURSE. STUDENTS CONDUCT EXTENSIVE LABORATORY EXERCISES WHICH CULMINATE IN A TERM PROJECT THAT ASSESSES BASIC LEVEL PROFICIENCY IN THE USE OF BUSINESS INFORMATION TECHNOLOGY. FOR BUSINESS MAJORS, BUS 150 CAN BE USED AS A SUBSTITUTE FOR CSC 150. THERE IS NO PREREQUISITE FOR THIS COURSE. 3 CREDITS.

**BUS 210 BUSINESS LAW I** OFFERS AN INTRODUCTION TO THE AMERICAN LEGAL SYSTEM AND SEVERAL SPECIFIC LEGAL TOPICS INCLUDING, BUT NOT LIMITED TO, CRIMINAL LAW, TORTS, EMPLOYMENT LAW AND DISCRIMINATION, AGENCY, CONTRACTS AND SALES. 3 CREDITS. 3 CREDITS.

**BUS 310 BUSINESS LAW II & ETHICS** EXAMINES SEVERAL AREAS OF BUSINESS LAW INCLUDING NEGOTIABLE INSTRUMENTS, PROPERTY, AND BUSINESS ORGANIZATIONS. FUNDAMENTAL PRINCIPLES OF ETHICS AND THEIR APPLICATION TO COMMON BUSINESS SITUATIONS ARE ALSO EXAMINED DURING THE COURSE. 3 CREDITS.

**BUS 315 BUSINESS STATISTICS** WILL PROVIDE STUDENTS WITH A WORKING KNOWLEDGE OF STATISTICS, WHICH WILL HELP THEM MAKE PROPER BUSINESS DECISIONS UNDER UNCERTAIN CONDITIONS. AREAS TO BE COVERED INCLUDE DESCRIPTIVE STATISTICS, PROBABILITY, INFERENCE STATISTICS, DISCRETE AND CONTINUOUS PROBABILITY DISTRIBUTIONS, AND REGRESSION ANALYSIS. FULFILLS THE MATHEMATICS CORE REQUIREMENT. 3 CREDITS.

**BUS 320 FAMILY BUSINESS MANAGEMENT** FAMILY BUSINESS MANAGEMENT EXPOSES STUDENTS TO THE ETHICAL ISSUES IN BUSINESS MANAGEMENT AND EQUIPS THEM TO BE EFFECTIVE SERVANT LEADERS IN BUSINESS. THIS CLASS IS PART OF THE BUSINESS LEGACY PROGRAM AIMED AT CHILDREN OF PARENTS OR GRANDPARENTS LOOKING TO PASS A BUSINESS ALONG TO FUTURE GENERATIONS. FAMILY BUSINESS MANAGEMENT PREPARES STUDENTS FOR THEIR ASCENDENCY TO THAT POSITION, AND THE UNIQUE CHALLENGES OF BEING A LEGACY. 3 CREDITS.

**BUS 325 FAMILY BUSINESS STRATEGIC PLANNING** WILL FOCUS ON THE FUNDAMENTAL STRATEGIC PLANNING OPPORTUNITIES AND CHALLENGES FACING FAMILY BUSINESS OWNER MANAGEMENT. TOPICS INCLUDE: THE STRATEGY-MAKING PROCESS; STAKEHOLDERS - THE VISION AND MISSION, GOVERNANCE AND BUSINESS ETHICS; EXTERNAL ANALYSIS; BUILDING COMPETITIVE ADVANTAGE; BUSINESS LEVEL STRATEGY AND COMPETITIVE POSITIONING; STRATEGY IN THE GLOBAL ENVIRONMENT; CORPORATE LEVEL STRATEGY AND LONG-TERM PROFITABILITY; STRATEGIC CHANGE - IMPLEMENTING STRATEGIES TO BUILD AND DEVELOP THE COMPANY; AND IMPLEMENTING STRATEGIES THROUGH ORGANIZATIONAL DESIGN. 3 CREDITS.

**BUS 338 COMPENSATION AND BENEFITS** EXAMINES THE DEVELOPMENT, ADMINISTRATION, AND EVALUATION OF FINANCIAL AND NON-FINANCIAL COMPENSATION AND BENEFITS REWARD SYSTEM INCLUDING RELEVANT THEORETICAL AND LEGAL PERSPECTIVES, COMPENSATION STRUCTURE, COMPENSATION SYSTEMS AND BENEFIT PLANS/SYSTEMS. PRE-REQUISITE: BUS 336. 3 CREDITS.

**BUS 355 MANAGEMENT INFORMATION SYSTEMS** PRESENTS AN OVERVIEW OF THE MANAGEMENT INFORMATION SYSTEM. THIS COURSE EXAMINES TOTAL ORGANIZATIONAL EFFORT REQUIRED IN THE MANAGEMENT FUNCTION. TOPICS OF SPECIAL INTEREST INCLUDE COMMUNICATION AND SYSTEMS THEORY, ACCOUNTING CYCLES AND APPLICATIONS SYSTEMS, COSTS OF DATA PROCESSING SOFTWARE AND HARDWARE, SYSTEMS CONTROL AND SYSTEMS DESIGN. PREREQUISITES: ACCT 102 AND BUS 130. 3 CREDITS.

**BUS 360 SMALL BUSINESS ADMINISTRATION (w)** AN OVERVIEW OF THE TASKS AND RESPONSIBILITIES ASSOCIATED WITH THE GENERAL MANAGEMENT OF A SMALL BUSINESS. TOPICS INCLUDE PLANNING, ORGANIZING, LEADING AND CONTROLLING IN THE CONTEXT OF A SMALL ORGANIZATION, AS WELL AS MARKETING STRATEGY, FINANCIAL MANAGEMENT, SMALL BUSINESS ACCOUNTING AND CONTROL, ETHICS AND SOCIAL RESPONSIBILITY, RISK MANAGEMENT AND ORGANIZATIONAL CULTURE. 3 CREDITS.

**BUS 399 INTERNSHIP** PROVIDES CREDIT FOR A PRE-APPROVED ON-THE-JOB WORK EXPERIENCE IN THE STUDENT'S MAJOR FIELD OF STUDY. PREREQUISITES: BUS 130, BUS 210, BUS 310, CSC 150, ACCT 102. 3-6 CREDITS.

**BUS 422/MBA 622 RISK MANAGEMENT AND INSURANCE** THIS COURSE BLENDS BASIC INSURANCE PRINCIPLES WITH CONSUMER AND COMMERCIAL CONSIDERATIONS IN THE MAJOR AREAS OF RISK MANAGEMENT AND INSURANCE. THE COURSE ADDRESSES CASUALTY-PROPERTY AND LIABILITY INSURANCE AND THE PRINCIPLES OF RISK MANAGEMENT. THIS SIX-UNIT COURSE IS DESIGNED FOR THOSE WHO HAVE LIMITED OR NO BACKGROUND IN THE SUBJECT MATTER. GRADING IS BASED UPON A SERIES OF CASE STUDY EVALUATIONS AND A COMPREHENSIVE RISK MANAGEMENT PROJECT. 3 CREDITS.

**BUS 434 TRAINING AND EMPLOYEE DEVELOPMENT** EMPHASIZES PROPER TRAINING AND DEVELOPMENT WITHIN AN ORGANIZATION AND THE INTRODUCTION TO A SYSTEMATIC APPROACH TO TRAINING. IT EXAMINES THE DEVELOPMENT AND IMPLEMENTATION OF TRAINING, INCLUDING NEEDS, JOB AND TASK ANALYSIS, DESIGN AND EVALUATION OF TRAINING PROGRAMS, TRANSFER OF TRAINING AND EMPLOYEE DEVELOPMENT. 3 CREDITS.

**BUS 450 INTERNATIONAL BUSINESS (w)** EXAMINES THE PRINCIPLES AND PRACTICES OF BUSINESS AND MANAGEMENT IN THE GLOBAL ENVIRONMENT. STUDENTS WILL GAIN UNDERSTANDING OF THE CONCEPTS UNDERLYING INTERNATIONAL TRADE AND MULTICULTURAL COMMUNICATIONS, SUCH AS EXCHANGE RATES, GLOBAL RISK MANAGEMENT, AND MANAGING ACROSS CULTURES. THE IMPACT OF GLOBAL SOCIO-POLITICAL, ETHICAL, ENVIRONMENTAL AND LEGAL ISSUES AND TRENDS ON INTERNATIONAL AND DOMESTIC FIRMS IS ALSO STUDIED. 3 CREDITS.

**BUS 453 BUSINESS POLICY (w)** STUDIES STRATEGIC POLICIES OF ORGANIZATIONS. IT LOOKS AT METHODS USED BY UPPER MANAGEMENT TO GUIDE RESOURCE DEPLOYMENT TO MAINTAIN COMPETITIVE ADVANTAGES IN MEETING THE CORPORATE MISSION. THE COURSE PROVIDES A DEMONSTRATION OF THE INTEGRATION OF THE FUNCTIONAL AREAS OF BUSINESS ADMINISTRATION AND A REALISTIC APPROACH TO BUSINESS PROBLEMS. PREREQUISITES: SENIOR STATUS OR PERMISSION OF PROFESSOR. 3 CREDITS.

## **BUSINESS COMMUNICATION**

**BCOM 247 BUSINESS WRITING** THIS COURSE EXAMINES THE COMPLEX INTERACTIONS OCCURRING IN VARIOUS BUSINESS CONTEXTS, FOCUSING ON ETHICAL PREPARATION AND EXECUTION OF PROFESSIONAL COMMUNICATION TASKS. STUDENTS WILL LEARN AND PRACTICE SKILLS AND PROCESSES NECESSARY TO BE EFFECTIVE ON THE JOB: LEADING MEETINGS, LISTENING, INTERVIEWING, COMMUNICATING GOOD NEWS AND BAD NEWS, WRITING BUSINESS LETTERS AND REPORTS, PERSUASIVE PRESENTATIONS, AND ELECTRONIC COMMUNICATION. 3 CREDITS.

**BCOM 300 GROUP DYNAMICS** EXPLORES GROUP COMMUNICATION THEORY. STUDENTS LEARN INTERPERSONAL COOPERATION, SELF-EXPRESSION, AND CONSTRUCTIVE INTERACTION IN GROUP SITUATIONS. THEY DEVELOP SKILLS PERTAINING TO CONFLICT MANAGEMENT, LEADERSHIP, CRITICAL THINKING, AND DECISION-MAKING. 3 CREDITS.

**BCOM 323 PRESENTS PUBLIC RELATIONS** RESEARCH AND ACTION CONCEPTS TO STUDENTS WITH BASIC PUBLIC RELATIONS AND JOURNALISTIC TRAINING. STUDENTS WILL DEVELOP THEIR EXPERTISE IN THE AREAS OF ETHICS; STRATEGIC PLANNING; PUBLIC RELATIONS PLAN DEVELOPMENT; PROACTIVE NEWS MEDIA RELATIONS; CUSTOM COMMUNICATIONS FOR ORGANIZATIONAL PUBLICS' THE BASIC OF MARKET RESEARCH; DEMOGRAPHICALLY APPROPRIATE USES OF SOCIAL MEDIA; AND THE BASICS OF SINGLE PROJECT AND DEPARTMENTAL BUDGETING. 3 CREDITS.

**BCOM 333 SERVANT LEADERSHIP** ENGAGES STUDENTS IN UNDERSTANDING AND APPLYING THEORY AND SKILLS GROUNDED IN THE BIBLICAL CONCEPT OF SERVANTHOOD. STUDENTS ARE CHALLENGED TO BECOME EFFECTIVE LEADERS WHO VALUE SERVICE, INDIVIDUAL DIGNITY, GROWTH, AND WHOLENESS. A PRIMARY COMPONENT OF THE COURSE IS A SMALL-GROUP SERVICE PROJECT. 3 CREDITS.

**BCOM 380 ORGANIZATIONAL COMMUNICATION** INTRODUCES LEARNERS TO COMMUNICATION IN ORGANIZATIONS, INCLUDING RELEVANT THEORIES, TECHNOLOGIES, LEADERSHIP, TEAMWORK, DIVERSITY, GLOBAL ORGANIZATIONS, AND ETHICS. IT SURVEYS THEORETICAL FRAMEWORKS, EMPIRICAL LITERATURE, AND REQUISITE SKILLS AND KNOWLEDGE SETS ASSOCIATED WITH EFFECTIVE ORGANIZATIONAL COMMUNICATION. 3 CREDITS.

**BCOM 385 INTERVIEWING PRINCIPLES** TEACHES HOW TO WRITE EFFECTIVE BUSINESS LETTERS, MEMOS, ARTICLES, REPORTS, ADVERTISEMENTS, AND RESUMES. STUDENTS LEARN TO ORGANIZE, FORMAT, AND EDIT MESSAGES USED IN PRESS RELEASES, PUBLIC RELATIONS, MANAGEMENT, MARKETING, CUSTOMER SERVICE, AND ORGANIZATIONAL DECISION MAKING. 3 CREDITS.

**BCOM 390 CONFLICT MANAGEMENT** THE PURPOSE OF THIS COURSE IS TO DEVELOP STUDENTS' KNOWLEDGE OF THE STRATEGIC DECISION-MAKING PROCESS WHILE INCORPORATING LEADERSHIP THEORY AND PRACTICE WITHIN THE FRAMEWORK OF BUSINESS ETHICS. THE STUDENT WILL GAIN KNOWLEDGE AND UNDERSTANDING OF THE FOUNDATIONS AND INTERDISCIPLINARY ASPECTS OF DECISION MAKING IN INSTITUTIONS, ANALYZE LEADERSHIP ISSUES AND ROLES, AND EXPLORE THE ETHICAL DIMENSIONS OF SOCIAL RESPONSIBILITY. 3 CREDITS.

**BCOM 423 ADVANCED PUBLIC RELATIONS** APPLIES AND DEVELOPS STRATEGIC WRITING SKILLS IN USING ADVOCACY, PERSUASION, EMPATHY, AUDIENCE ANALYSIS, TEAM BUILDING, AND CULTURAL AWARENESS IN PRODUCING DOCUMENTS FOR USE IN CORPORATE OR NONPROFIT COMMUNICATIONS, ONLINE AND NEWSPAPER JOURNALISM, MARKETING, INVESTOR RELATIONS, FUND RAISING, INTERNAL COMMUNICATION, COMMUNITY RELATIONS. MEDIA RELATIONS, AND CRISIS COMMUNICATION. 3 CREDITS.

## CHEMISTRY

**CHEM 101 INTRODUCTORY CHEMISTRY** A ONE-SEMESTER SURVEY OF CHEMISTRY FOR STUDENTS HAVING NO PRIOR CHEMISTRY COURSEWORK. STUDENTS STUDY MATTER AND ENERGY, MEASUREMENT, ATOMS, MOLECULES, IONS, AND THE PERIODIC TABLE, CHEMICAL COMPOSITION, NOMENCLATURE, REACTIONS AND EQUATIONS, QUANTITATIVE RELATIONSHIPS IN CHEMICAL REACTIONS, ATOMIC AND MOLECULAR STRUCTURES, BONDING, GASES, SOLUTIONS, ACIDS, BASES, AND BASIC ORGANIC CHEMISTRY. COURSE DOES NOT COUNT TOWARDS MAJORS OR MINORS IN NATURAL SCIENCE. FULFILLS THE LAB SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 4 CREDITS.

**CHEM 105 ELEMENTS OF GENERAL AND BIOLOGICAL CHEMISTRY** INTRODUCES THE STUDENT TO THE CHEMISTRY OF THE BODY AND IS PRIMARILY FOR STUDENTS AIMING FOR CAREERS IN PROFESSIONAL HEALTH CARE FIELDS. PREREQUISITE: MAT 121. 4 CREDITS.

**CHEM 141 GENERAL CHEMISTRY I** INTRODUCES THE STUDENT TO GENERAL CONCEPTS OF CHEMISTRY INCLUDING ATOMIC AND MOLECULAR STRUCTURE, REACTION STOICHIOMETRY, THERMODYNAMICS, PERIODIC TRENDS, AND GAS LAWS. 3 HOURS LECTURE, 1 HOUR LAB LECTURE, 2 HOURS LAB. PREREQUISITE: DEMONSTRATED COMPETENCY IN BASIC ALGEBRA OR CONCURRENT ENROLLMENT IN MAT 128. 4 CREDITS.

**CHEM 142 GENERAL CHEMISTRY II** IS A CONTINUATION OF CHEMISTRY 141 INCLUDING INTERMOLECULAR FORCES, REACTION KINETICS, ACID-BASE THEORY, EQUILIBRIUM, ELECTROCHEMISTRY, AND NUCLEAR CHEMISTRY. 3 HOURS LECTURE, 1 HOUR LAB LECTURE, 2 HOURS LAB PREREQUISITE: CHEM 141. 4 CREDITS.

**CHEM 225 ANALYTICAL CHEMISTRY** INTRODUCES THE STUDENT TO THE APPLICATION OF CHEMICAL PRINCIPLES FOR THE PURPOSE OF CHEMICAL ANALYSIS AS WELL AS THE MANY ASSOCIATED SKILLS SUCH AS SAMPLING, SAMPLE PREPARATION, TREATMENT OF DATA, ETC. NECESSARY TO OBTAIN VALID INFORMATION ON THE CHEMICAL COMPOSITION OF MATTER. 2 HOURS LECTURE, 4 HOURS LAB PREREQUISITE: CHEM 142. 4 CREDITS.

**CHEM 241 ORGANIC CHEMISTRY I** INTRODUCES THE STUDENT TO ORGANIC SYNTHESIS AND REACTION MECHANISMS, FOCUSING SPECIFICALLY ON THE CHEMISTRY OF HYDROCARBONS AND ALCOHOLS, ALONG WITH ACID-BASE CHEMISTRY AND STEREOCHEMISTRY. 3 HOURS LECTURE, 1 HOUR LAB LECTURE, 3 HOURS LAB PREREQUISITE: CHEM 142. 4 CREDIT HOURS.

**CHEM 242 ORGANIC CHEMISTRY II** IS A CONTINUATION OF CHEMISTRY 241, COVERING INSTRUMENTAL ANALYSIS OF ORGANIC COMPOUNDS, CHEMISTRY OF AROMATIC SYSTEMS, CARBONYL CHEMISTRY, AND THE CHEMISTRY OF AMINES. LABORATORY CONSISTS OF SEVERAL MULTI-WEEK PROJECTS INCLUDING MULTI-STEP SYNTHESIS AND UNKNOWN IDENTIFICATION. 3 HOURS LECTURE, 1 HOUR LAB LECTURE, 3 HOURS LAB PREREQUISITE: CHEM 241. 4 CREDITS.

**CHEM 399 CHEMISTRY INTERNSHIP** PROVIDES CREDIT FOR CHEMISTRY MAJORS WHO OBTAIN LABORATORY OR FIELD EXPERIENCE OUTSIDE OF THE TYPICAL ACADEMIC ENVIRONMENT. THE EXPERIENCE MUST BE APPROVED IN ADVANCE BY THE DEPARTMENT CHAIR. PREREQUISITE: 16 CREDIT HOURS OF CHEMISTRY. 1-4 CREDIT HOURS PER EXPERIENCE.

**CHEM 425 BIOCHEMISTRY** INTRODUCES THE STUDENT TO THE WAYS IN WHICH ATOMS AND MOLECULES FUNCTION TO PRODUCE LIFE PROCESSES. TOPICS INCLUDE PROTEIN STRUCTURE AND FUNCTION, CARBOHYDRATE AND LIPID STRUCTURE AND METABOLISM, MOLECULAR BIOLOGY, AND PHOTOSYNTHESIS. 3 HOURS LECTURE, 3 HOURS LAB PREREQUISITE: CHEM 242 OR CONSENT OF INSTRUCTOR: 4 CREDITS.

**CHEM 490 CHEMISTRY SENIOR SEMINAR** INCLUDES REPORTS ON AND DISCUSSION OF CURRENT CHEMICAL LITERATURE. TWO SEMESTERS OF CHEMISTRY SENIOR SEMINAR ARE REQUIRED FOR ALL CHEMISTRY MAJORS. PREREQUISITE: JUNIOR STANDING AND 16 CREDITS OF CHEMISTRY. 1 CREDIT.

## COMMUNICATION

**COMM 105 PUBLIC SPEAKING** CONSIDERS THE FUNDAMENTALS OF GIVING SPEECHES THAT ARE INFORMATIVE, PERSUASIVE, INSPIRATIONAL, OR ENTERTAINING. STUDENTS LEARN TO MANAGE SPEECH TENSION, USE VOCAL VARIETY, IMPROVE DELIVERY, AND ORGANIZE AND SUPPORT EFFECTIVE PRESENTATIONS WITH RESEARCH AND VISUAL AIDS. FULFILLS THE COMMUNICATION CORE REQUIREMENT. 3 CREDITS.

**COMM 191 BEACON** REQUIRES ACCEPTABLE WORK ON THE STUDENT PUBLICATION. PREREQUISITE: COMM 265 1 CREDIT.

**COMM 193 WCUA** REQUIRES ACCEPTABLE WORK WITH THE STUDENT RADIO STATION. PREREQUISITE: COMM 351 OR PERMISSION OF INSTRUCTOR. 1 CREDIT.

**COMM 201 INTERPERSONAL COMMUNICATION** STUDIES WHY COMMUNICATION BREAKS DOWN IN INTERPERSONAL RELATIONSHIPS, FOCUSING ON SUCH TOPICS AS PERCEPTION, SELF-CONCEPT, NONVERBALS, LISTENING, GENDER, SELF-DISCLOSURE, POWER, AND CONFLICT. ASSIGNMENTS LEAD STUDENTS TO A GREATER AWARENESS OF THEIR STRENGTHS AND WEAKNESSES AS COMMUNICATORS. CROSS LISTED PSY 201. FULFILLS THE COMMUNICATION CORE REQUIREMENT. 3 CREDITS.

**COMM 205 ADVANCED PUBLIC SPEAKING** TEACHES THE USE OF RESEARCH, STRATEGY, AUDIENCE ANALYSIS, AND TECHNOLOGY TO ATTAIN PROFESSIONALISM IN PRESENTATIONS. STUDENTS APPLY SPEAKING SKILLS IN AN "AFTER DINNER" HUMOR PRESENTATION, AN INFORMATIVE POWERPOINT LECTURE, A TEAM DEBATE JUDGED BY STUDENTS, AND IN AN INSPIRATIONAL OR DEVOTIONAL PRESENTATION. 3 CREDITS.

**COMM 223 PUBLIC RELATIONS** SURVEYS THE TECHNIQUES AND PROCEDURES USED TO SECURE PUBLICITY IN BUSINESS AND POLITICS, AS WELL AS MANAGE RESPONSES TO PUBLIC ISSUES AFFECTING THE PUBLICITY-SEEKING BUSINESS, PERSON, OR ORGANIZATION. TOPICS COVERED INCLUDE: IDENTIFYING PUBLICS, MEDIA USE, MESSAGE PREPARATION AND DISSEMINATION, STRATEGY, AND ETHICAL AND LEGAL CONCERNS. CROSSLISTED MKTG 223. 3 CREDITS.

**COMM 250 INTRO TO MASS COMMUNICATION** ACQUAINTS THE STUDENT WITH THE BASIC FORMS OF MASS COMMUNICATION AND THE MEDIA THROUGH WHICH MESSAGES ARE CONVEYED. CURRENT MEDIA TRENDS AND THEIR ORIGINS WILL ALSO BE STUDIED. PREREQUISITE: ENG 104. 3 CREDITS.

**COMM 260 SOCIAL MEDIA** INTRODUCES THE STUDENT TO THE THEORY AND HISTORY OF SOCIAL MEDIA, LOOKING AT THEIR RISE AND ROLE IN SOCIETY AND CULTURE, THEIR USES, AND VARIOUS CONCERNS AND ISSUES SURROUNDING THEM. 3 CREDITS.

**COMM 265 JOURNALISM** INTRODUCES THE STUDENT TO THE BASIC PRINCIPLES OF JOURNALISTIC WRITING, DELVING INTO THE TECHNIQUES OF INFORMATION GATHERING AND GOOD JOURNALISM. PREREQUISITE: ENG 104. 3 CREDITS.

**COMM 270 SPORTS JOURNALISM** INTRODUCES STUDENTS TO THE SKILLS OF A SPORTS JOURNALIST, PRIMARILY THE TECHNIQUES AND PRINCIPLES OF INTERVIEWING, REPORTING, AND WRITING SPORTS. A HANDS-ON APPROACH IS EMPHASIZED, WITH SEVERAL OPPORTUNITIES FOR FIELD EXPERIENCE. PREREQUISITE: COMM 265 OR ENG 104. 3 CREDITS.

**COMM 280 CAREERS IN COMMUNICATION** IS AN INTRODUCTION TO CAREER OPPORTUNITIES, EDUCATIONAL/EXPERIENTIAL PATHS, AND REQUIREMENTS COMMUNICATION STUDENTS NEED TO ADDRESS PRIOR TO EDUCATION. THESE OBJECTIVES ARE ACHIEVED THROUGH PERSONAL ASSESSMENT, CONTACT WITH WORKING COMMUNICATION PROFESSIONALS, AND PLANNING. 3 CREDITS.

**COMM 321 MEDIA WRITING** INTRODUCES THE STUDENT TO THE ELEMENTS OF GOOD BROADCAST NEWS WRITING; PROCEEDING FROM THE GATHERING OF INFORMATION TO THE WRITING OF THE SCRIPTS TO BROADCAST NEWS TECHNIQUES. 3 CREDITS.

**COMM 322 MULTIMEDIA DESIGN** PRESENTS AN OVERVIEW OF MULTIMEDIA DESIGN CONSIDERATIONS INCLUDING INTERFACE DESIGN, INTERACTIVE NARRATIVE STRUCTURE, PREPRODUCTION PLANNING OF PROJECTS, INTEGRATION OF DIFFERENT MEDIA INTO A UNIFIED CONCEPT AND AESTHETIC, AND ALSO EXAMINES THE HISTORY AND DEVELOPMENT OF MULTIMEDIA. PREREQUISITE: ART 110. 3 CREDITS.

**COMM 325 POLITICAL COMMUNICATION** IS AN INTER-DISCIPLINARY CLASS DESIGNED FOR THE HONORS PROGRAM THAT REVIEWS THE POLITICAL DYNAMICS OF AMERICAN GOVERNMENT IN A CONTEXT OF ORAL AND WRITTEN COMMUNICATION STRATEGIES, RHETORIC, POLITICAL ADVERTISING, DEBATES, AND SPEECH MAKING. THE CLASS FOCUSES ON HOW PEOPLE IN OUR SYSTEM FORM COALITIONS TO IMPACT SOCIETY AT THE LOCAL, STATE, AND NATIONAL LEVELS. HONORS STUDENTS ONLY. CROSS-LISTED POLS 325. 3 CREDITS.

**COMM 327 STORYTELLING AND ORAL HISTORIES (w)** THIS COURSE EXAMINES THE ART OF STORYTELLING AND ORAL HISTORIES AS COMMUNICATION. PARTICULAR ATTENTION IS GIVEN TO STORYTELLING AND ORAL HISTORIES AS CROSS-CULTURAL COMMUNICATION. STUDENTS DEFINE CRITERIA FOR SELECTING AND EVALUATING FOLK TALES AND FAIRY TALES FOR PERFORMANCE.

THIS COURSE ALSO INTRODUCES THE STUDENT TO ETHICAL METHODS OF COLLECTING, TRANSCRIBING AND PERFORMING ORAL HISTORIES.

**COMM 329 HISTORY OF FILM** THIS COURSE EXAMINES THE DEVELOPMENT OF MOTION PICTURES FROM ITS BEGINNING TO THE PRESENT DAY. FILMS WILL BE SCREENED REPRESENTING VARIOUS MOVEMENTS, PERIODS, AND STYLES. 3 CREDITS.

**COMM 330 THEORIES OF PERSUASION** EXAMINES THE PROCESS OF PERSUASION FROM BOTH A SENDER'S AND A RECEIVER'S PERSPECTIVE. STUDENTS LEARN HOW TO BE BETTER CONSUMERS AND CREATORS OR PERSUASIVE MESSAGES THAT TARGET BELIEFS, ATTITUDES, VALUES, AND BEHAVIORS. THIS HIGHLY INTERACTIVE COURSE PLACES A PREMIUM ON EXPERIENTIAL LEARNING AS STUDENTS ENGAGE IN SEVERAL PROJECTS, INCLUDING THE CREATION OF A HYPOTHETICAL ENTERTAINMENT SERVICE THAT THEY "SELL" TO ANOTHER CLASS. CROSSLISTED: PSY 451. 3 CREDITS.

**COMM 333 SERVANT LEADERSHIP** ENGAGES STUDENTS IN UNDERSTANDING AND APPLYING THEORY AND SKILLS GROUNDED IN THE BIBLICAL CONCEPT OF SERVANTHOOD. STUDENTS ARE CHALLENGED TO BECOME EFFECTIVE LEADERS WHO VALUE SERVICE, INDIVIDUAL DIGNITY, GROWTH, AND WHOLENESS. A PRIMARY COMPONENT OF THE COURSE IS A SMALL-GROUP SERVICE PROJECT. 3 CREDITS.

**COMM 347 ANIMATION** INTRODUCES STUDENTS TO THE THEORETICAL BASES OF ANIMATION AND HOW IT WORKS, THE HISTORY OF ANIMATION FROM OPTICAL TOYS, THROUGH THE SILENT FILM ERA AND THE COMING OF SOUND, THE LATTER HALF OF THE 20TH CENTURY AND INTO THE DIGITAL ERA. THE COURSE ALSO INCLUDES SEVERAL PRACTICAL PROJECTS IN WHICH STUDENTS TRY THEIR HAND AT ANIMATION. 3 CREDIT HOURS.

**COMM 339 FILM AND VIDEO PRODUCTION** INTRODUCES STUDENTS TO THE WORLD OF FILM AND VIDEO PRODUCTION. STUDENTS LEARN THE PROCESS INVOLVED IN PREPRODUCTION, PRODUCTION, AND POSTPRODUCTION THROUGHOUT THE DEVELOPMENT OF DIGITAL VIDEO PRODUCTIONS. 3 CREDITS.

**COMM 348 MULTIMEDIA PRODUCTION** ALLOWS STUDENTS IN THIS COURSE TO WORK ON AND HELP CREATE MULTIMEDIA PROJECTS. PREREQUISITES: ART 110 AND COMM 322. 3 CREDITS.

**COMM 351 RADIO PRODUCTION** INTRODUCES THE STUDENT TO THE ELEMENTS OF RADIO BROADCASTING, AND CONSIDERS THE HISTORY, EQUIPMENT, AND TECHNIQUES OF RADIO PRODUCTION. PREREQUISITE: COMM 250. 3 CREDITS.

**COMM 354 GENDER AND COMMUNICATION** STUDIES THE DIFFERENCES WOMEN AND MEN EXHIBIT WHEN COMMUNICATING. VERBAL AND NONVERBAL DIFFERENCES ARE STUDIED, INCLUDING WHY SUCH DIFFERENCES OCCUR. GENDER-SPECIFIC ISSUES IN DATING, EDUCATION, THE FAMILY, RELIGION, AND THE WORK PLACE WILL BE DISCUSSED. A STUDENT PROJECT FOCUSING ON HOW THE MEDIA STEREOTYPES MALE AND FEMALE ROLES IS REQUIRED. CROSS-LISTED PSY 354. 3 CREDITS.

**COMM 371 PHILOSOPHY AND FILM** IS DESIGNED TO HELP STUDENTS UNDERSTAND HOW FILMS ARE CREATED, AND TO SEE HOW FILMS CAN EMBODY AND EXPRESS WORLDVIEWS. STUDENTS LEARN TO IDENTIFY WORLDVIEWS IMPLICIT IN A FILM, AND TO DISCERN WHETHER THE FILM'S PRESENTATION IS SUPPORTIVE OR CRITICAL. THEY ARE ALSO REQUIRED TO DEFEND OR CRITIQUE THE WORLDVIEW ITSELF. THIS COURSE MAY BE TAKEN AS THE CORE CLASS IN PHILOSOPHICAL FOUNDATIONS, AND IS CROSS-LISTED AS PHIL 371. 3 CREDITS.

**COMM 380 ORGANIZATIONAL COMMUNICATION** IS A STUDY OF HOW COMMUNICATION CAN DETRACT FROM OR IMPROVE PRODUCTIVITY, PROFITABILITY, MORALE, PRODUCT QUALITY, AND EFFICIENCY IN PUBLIC AND PRIVATE ORGANIZATIONS. EMPHASIS IS PLACED ON THE ROLE OF COMMUNICATION IN DIFFERENT APPROACHES TO LEADERSHIP, DECISION-MAKING, CONFLICT MANAGEMENT, WORKER EFFECTIVENESS, EMPLOYEE MOTIVATION. 3 CREDITS.

**COMM 385 INTERVIEWING PRINCIPLES** IS THE STUDY OF STRATEGIES AND TECHNIQUES USED IN JOURNALISTIC, EMPLOYMENT, COUNSELING, AND PERSUASIVE INTERVIEWS, WITH EMPHASIS PLACED ON EMPLOYMENT INTERVIEWS. TOPICS TO BE COVERED INCLUDE DO'S AND DON'TS IN INTERVIEWS, INTERVIEWING STRATEGIES, LEGAL ASPECTS OF INTERVIEWING, AND COMMUNICATION SKILLS. 3 CREDITS.

**COMM 390 CONFLICT MANAGEMENT** FOCUSES ON CAUSES, TYPES, AND FUNCTIONS OF CONFLICT IN FAMILY AND WORK ENVIRONMENTS; THE COURSE REVIEWS ALTERNATIVE TACTICS USABLE IN CONFLICT SITUATIONS. PREVENTION OF CONFLICT AND ALTERNATIVES TO RESOLVING CONFLICT ARE EXAMINED. METHODS OF DEALING WITH TOUGH INDIVIDUALS AND SITUATIONS ARE PRACTICED AND CRITIQUED. PREREQUISITE: COMM 201. 3 CREDITS.

**COMM 423 ADVANCED PUBLIC RELATIONS** APPLIES AND DEVELOPS STRATEGIC WRITING SKILLS IN USING ADVOCACY, PERSUASION, EMPATHY, AUDIENCE ANALYSIS, TEAM BUILDING, AND CULTURAL AWARENESS IN PRODUCING DOCUMENTS FOR USE IN CORPORATE OR NONPROFIT COMMUNICATIONS, ONLINE AND NEWSPAPER JOURNALISM, MARKETING, INVESTOR RELATIONS, FUND RAISING, INTERNAL COMMUNICATION, COMMUNITY RELATIONS. MEDIA RELATIONS, AND CRISIS COMMUNICATION. PREREQUISITE: COMM223. 3 CREDITS.



**COMM 347 ANIMATION** INTRODUCES STUDENTS TO THE THEORETICAL BASES OF ANIMATION AND HOW IT WORKS, THE HISTORY OF ANIMATION FROM OPTICAL TOYS, THROUGH THE SILENT FILM ERA AND THE COMING OF SOUND, THE LATTER HALF OF THE 20TH CENTURY AND INTO THE DIGITAL ERA. THE COURSE ALSO INCLUDES SEVERAL PRACTICAL PROJECTS IN WHICH STUDENTS TRY THEIR HAND AT ANIMATION. 3 CREDITS.

**COMM 439 ADVANCED FILM AND VIDEO PRODUCTION** THIS COURSE WILL CONCENTRATE ON THE DEVELOPMENT OF SEMESTER-LONG STUDENT FILM OR VIDEO PROJECTS, AND THE VARIOUS STAGES OF ITS PREPRODUCTION, PRODUCTION, AND POST-PRODUCTION. PREREQUISITE: COMM 339: FILM AND VIDEO PRODUCTION. PREREQUISITE: COMM 339. 3 CREDITS.

**COMM 448 ADVANCED MULTIMEDIA PRODUCTION** GOES MORE INDEPTH IN THE DEVELOPMENT OF STUDENTS' MULTIMEDIA PRODUCTIONS, AND BUILDS ON THE KNOWLEDGE OF THE FIRST PRODUCTION COURSE. STUDENTS IN THIS COURSE WILL DESIGN AND CREATE THEIR OWN MULTIMEDIA PROJECTS. PREREQUISITES: ART 110, COMM 339, COMM 322, AND COMM 348. 3 CREDITS.

**COMM 460 CROSS CULTURAL COMMUNICATION** STUDENTS WILL EXAMINE THE CULTURAL DIVERSITY THAT EXISTS LOCALLY, NATIONALLY AND GLOBALLY IN ORDER TO DEVELOP A POSITIVE APPRECIATION FOR THE CONTRIBUTIONS OF OTHER CULTURES. STUDENTS WILL GAIN PERSONAL CONTACT WITH MEMBERS OF OTHER CULTURES AND LEARN EFFECTIVE INTERCULTURAL COMMUNICATION SKILLS FOR OUR DIVERSE WORLD. PREREQUISITE: COMM 105 OR 201, ENG 104. 3 CREDITS.

**COMM 470 INTERNSHIP** INCLUDES ACCEPTABLE WORK AT A COMMERCIAL COMMUNICATION ENTERPRISE. PREREQUISITES ARE EXPLAINED IN THE INTERNSHIP PACKET, WHICH MAY BE OBTAINED FROM ANY COMMUNICATION PROFESSOR. 3-4 CREDITS.

**COMM 490 SENIOR SEMINAR** ALLOWS STUDENTS TO DEMONSTRATE THEIR COMMUNICATION COMPETENCIES BY WRITING A RESEARCH PAPER RELATED TO THEIR PARTICULAR MAJOR AND GIVING A PUBLIC PRESENTATION. 3 CREDITS.

## COMPUTER SCIENCE

**CSC 150 FOUNDATIONS OF COMPUTER SCIENCE** PROVIDES A SURVEY AND OVERVIEW OF COMPUTER SCIENCE VIA ITS GRAND IDEAS. COMPUTER SCIENCE IS THE STUDY OF PROBLEM SOLVING, WHICH IS THE FOCUS OF CSC 150. THE VIEW OF A COMPUTER SYSTEM AS A COMBINATION OF HARDWARE, SOFTWARE, AND PEOPLE IS EXPLORED IN DETAIL. THE COMPUTER SYSTEM AS A TOOL FOR PERSONAL AND PROFESSIONAL PROBLEM SOLVING IS EMPHASIZED. FOUNDATIONAL COMPUTER SCIENCE CONCEPTS ALONG WITH TERMINOLOGY, ETHICAL ISSUES, APPLICATION, AND HANDS-ON COMPUTER USE ARE EXPLORED. STUDENTS SELECT A TOPIC OF INTEREST AS A TERM PROJECT TO AUGMENT CLASS DISCUSSION AND LABORATORY EXPERIENCES. THE RELATIONSHIP BETWEEN A CHRISTIAN WORLDVIEW AND A TECHNOLOGICAL SOCIETY IS INVESTIGATED. FULFILLS THE MATHEMATICS CORE REQUIREMENT. 3 CREDITS.

**CSC 175 INFORMATICS: APPLICATION OF TECHNOLOGY** IS THE CONTINUATION OF CSC 150 WITH A FOCUS ON TOOLS AND TECHNIQUES FOR THE ADVANCED APPLICATION OF COMPUTER TECHNOLOGY TO REAL-WORLD PROBLEMS. BOTH HARDWARE (EG, ROBOTICS, COMPUTER CONSTRUCTION, GAME CONSOLES, ETC) AND SOFTWARE (EG, IMAGE MANIPULATION, MACRO DEVELOPMENT, DATABASES, ETC) WILL BE USED TO CREATE PRODUCTIVE AND EFFICIENT SOLUTIONS TO ACTUAL PROBLEMS. INFORMATICS ALLOWS THE STUDENT TO DEVELOP EXPERTISE IN EFFECTIVELY APPLYING COMPUTER TECHNOLOGY TO A WIDE VARIETY OF PERSONAL AND PROFESSIONAL PROBLEMS. ANALYSIS OF PROBLEMS AND SYNTHESIS OF AUTOMATED SOLUTIONS IS EMPHASIZED. A UNIT APPROACH ALLOWS THE INTEGRATION OF CURRENT EVENTS, TECHNOLOGY SKILLS, SCIENCE CONCEPTS, AND HUMAN FACTORS INTO VIABLE PRACTICE. THE RELATIONSHIP BETWEEN A CHRISTIAN WORLDVIEW AND THE APPLICATION OF TECHNOLOGY IS INVESTIGATED. PREREQUISITE: CSC 150 WITH A GRADE OF C OR BETTER. 3 CREDITS.

**CSC 180 READINGS IN SCIENCE AND TECHNOLOGY** EXPLORES CLASSIC AND CURRENT ARTICLES IN THE FIELDS OF COMPUTER SCIENCE, COMPUTER INFORMATION SCIENCES, AND INFORMATION TECHNOLOGY. THIS COURSE PROVIDES INSIGHTS INTO EFFECTIVE READING AND WRITING TECHNIQUES IN ORDER TO UNDERSTAND SCIENCE AND TECHNOLOGY. IN ADDITION TO SPECIFIC ACTIVITIES FOCUSING ON READING AND WRITING, STUDENTS WILL SELECT AN INTERESTING AREA OF SCIENCE OR TECHNOLOGY TO INVESTIGATE AS A GUIDED INDEPENDENT STUDY. USEFUL INFORMATION SOURCES FOR SCIENCE AND TECHNOLOGY WILL BE EXPLORED, AND STUDENTS WILL BE CHALLENGED TO READ WIDELY AND WELL AS A FOUNDATION FOR LIFE-LONG LEARNING. THE RELATIONSHIP BETWEEN A CHRISTIAN WORLDVIEW AND THE DEVELOPMENT OF SCIENCE AND TECHNOLOGY IS INVESTIGATED. PREREQUISITE: CSC 150 WITH A GRADE OF C OR BETTER. 3 CREDITS.

**CSC 250 COMPUTER SCIENCE, THEORY AND PRACTICE 1** STUDENTS EXPLORE ELEMENTARY COMPUTER SCIENCE CONCEPTS SUCH AS ALGORITHM DEVELOPMENT, DATA TYPES, AND STRUCTURED PROGRAMMING USING C++. EVERY STUDENT IS EXPECTED TO WORK AT LEAST SIX HOURS PER WEEK OUTSIDE OF CLASS WITH A COMPUTER AND SOFTWARE DEVELOPMENT TOOLS. PREREQUISITE: MAT111 AND MAT112, OR EQUIVALENT PRE-CALCULUS PREPARATION. 3 CREDITS.

**CSC 200 FOUNDATIONS OF PROGRAMMING** ALLOWS STUDENTS TO EXPLORE COMPUTER PROGRAMMING CONCEPTS WITHIN THE GENRE OF VIDEO GAMES. AN INDUSTRY STANDARD DEVELOPMENT ENVIRONMENT IS USED WHICH ALLOWS STUDENTS TO CREATE VISUALLY STUNNING VIDEO GAMES WHILE LEARNING THE BASICS OF COMPUTER PROGRAMMING. TOPICS COVERED INCLUDE: VARIABLES, CONDITIONALS, ITERATION, METHODS, AND THREADS. THESE TOPICS ARE COVERED WITHIN THE CONTEXT OF GOOD PROBLEM SOLVING TECHNIQUES, ALGORITHM DESIGN, AND USER EXPERIENCE. THE USE OF A DEVELOPMENT ENVIRONMENT ALLOWS STUDENTS TO FOCUS ON THE CONCEPTS OF PROGRAMMING WHILE MINIMIZING THE COMPLEXITY OF LANGUAGE DETAILS. PREREQUISITE: CSC 150 WITH A GRADE OF C OR BETTER. 3 CREDITS.

**CSC 300 COMPUTER SCIENCE, THEORY AND PRACTICE 2** EXPLORES ADVANCED TOPICS OF COMPUTER PROGRAMMING IN SOME DETAIL. THE PRIMARY COURSE EMPHASIS IS ON COMPUTER DATA STRUCTURES (STACKS, QUEUES, LINKED-LISTS, ETC) - HOW THEY ARE MATHEMATICALLY DERIVED IN THEORY AND APPLIED IN THE PRACTICE OF PROBLEM SOLVING. ADDITIONAL CONCEPTS TO BE STUDIED INCLUDE: ENCAPSULATION, INFORMATION HIDING, DATA ABSTRACTION, AND EFFICIENT REPRESENTATION AND MANIPULATION OF DATA. 3 CREDITS.

**CSC 310 WEB-BASED SOFTWARE DEVELOPMENT** IN THIS COURSE THE STUDENT LEARNS HOW TO EMPLOY MODERN MARK-UP LANGUAGES TO CREATE USABLE, WELL-STRUCTURED WEB PAGES THAT DISPLAY A VARIETY OF MEDIA, DEVELOP SHARED STYLE SPECIFICATIONS, WRITE PROGRAMS TO IMPLEMENT CLIENT-SIDE FUNCTIONALITY, ADHERE TO ACCESSIBILITY GUIDELINES, ESTABLISH SERVER-SIDE FUNCTIONALITY, CONNECT PAGES TO DATABASES, MANAGE STRUCTURED DATA, EVALUATE ETHICAL ISSUES, AND ENSURE A HIGH LEVEL OF SECURITY FOR USERS AND ORGANIZATIONS. PREREQUISITES: CSC 250. 3 CREDITS.

**CSC 325 COMPUTER ORGANIZATION AND ARCHITECTURE** INVESTIGATES THE INTERNAL HARDWARE FUNCTION AND STRUCTURE OF A COMPUTER IN DEPTH. THE PROGRAMMER'S RELATIONSHIP TO ARCHITECTURE AND THE COMPUTER SCIENTIST'S RELATIONSHIP TO ORGANIZATION ARE STUDIED. MAJOR TOPICS INCLUDE: PERIPHERALS (I/O AND STORAGE), THE PROCESSOR (CPU AND MEMORY), ALU (COMPUTER ARITHMETIC), AND THE CU (COMPUTER INSTRUCTION SETS). STUDENTS WILL CONSTRUCT COMPUTER CIRCUITS FROM COMPONENT CHIPS AND CARRY OUT PROGRAMMING ASSIGNMENTS IN ASSEMBLY LANGUAGE. 3 CREDITS.

**CSC 350 COMPUTER OPERATING SYSTEMS** EXAMINES THE FOUNDATIONAL CONCEPTS, FUNCTIONS, AND STRUCTURE OF OPERATING SYSTEMS. THE PRIMARY OPERATING SYSTEM JOBS OF RESOURCE MANAGEMENT, INTERFACING, AND COMMAND INTERPRETATION ARE STUDIED IN DEPTH. THE ROLES OF COMPUTER SCIENTIST AND SYSTEMS SOFTWARE ARE INVESTIGATED USING BOTH A MICROCOMPUTER OPERATING SYSTEM AND A LARGE COMPUTER OPERATING SYSTEM. STUDENTS CARRY OUT A SYSTEMS LEVEL PROGRAMMING PROJECT. 3 CREDITS.

**CSC 360 DATA STRUCTURES & ALGORITHMS** THIS COURSE FURTHER DEVELOPS STUDENTS' ABILITIES TO DESIGN AND IMPLEMENT COMPLEX COMPUTER PROGRAMS THAT EMPLOY ABSTRACTIONS SUCH AS ORDERED BINARY TREES, BALANCED BINARY TREES, N-ARY TREES, B-TREES, DIRECTED GRAPHS OF ARBITRARY TOPOLOGY, LINKED-LIST IMPLEMENTATIONS OF SPARSE MATRICES, AND HASH TABLES. STUDENTS WILL LEARN TO DETERMINE THE SPACE AND TIME COMPLEXITY OF ALGORITHMS THAT OPERATE ON THESE STRUCTURES, INCLUDING THOSE FOR SEARCHING, SORTING, AND UPDATING. THIS COURSE WILL EXPLORE LIMITATIONS ON COMPUTATION, INCLUDING THE CLASS OF NON-POLYNOMIAL COMPLETE PROBLEMS. PREREQUISITES: CSC 300, MATH 220. 3 CREDITS.

**CSC 370 SOFTWARE ENGINEERING** AFFORDS THE STUDENT THE OPPORTUNITY TO EXPLORE THE ART AND SCIENCE OF THE PROGRAMMING PROCESS IN GREAT DETAIL. PRINCIPLES OF DESIGN, SUPPORT AND MANAGEMENT OF SOFTWARE PROJECTS ARE INVESTIGATED. THE SOFTWARE DEVELOPMENT LIFECYCLE IS USED AS A VEHICLE FOR THE STUDY OF THE SOFTWARE DEVELOPMENT PROCESS FROM CONCEPTION THROUGH BIRTH AND INTO MAINTENANCE, WITH AN EMPHASIS ON DESIGN CONSIDERATIONS, USER AND DEVELOPER DOCUMENTATION, CODING TOOLS, AND QUALITY ASSURANCE. ACTUAL PROGRAMMING PROJECTS ARE ANALYZED ALONG WITH CURRENT RESEARCH IN THE FIELD. TWO MAJOR SOFTWARE PROJECTS, ONE INDIVIDUAL AND ONE TEAM, ARE SYNTHESIZED BY STUDENTS USING "PROFESSIONAL PROGRAMMING PRACTICE." THE RELATIONSHIP BETWEEN A CHRISTIAN WORLDVIEW AND THE DEVELOPMENT OF SOFTWARE IS INVESTIGATED. KNOWLEDGE OF THE PROGRAMMING ENVIRONMENT UTILIZED IN CSC 250 IS REQUIRED. 3 CREDITS.

**CSC 426 DATA SECURITY** IS A SURVEY AND OVERVIEW OF METHODS TO SAFEGUARD THE COMPUTER AND INFORMATION TECHNOLOGY EMPLOYED TODAY. COMPUTER AND INFORMATION SYSTEMS ARE INCREASINGLY UNDER ATTACK AND THEREFORE KNOWLEDGE OF ATTACKS, PROTECTION, AND COUNTER-MEASURES IS IMPORTANT. STUDENTS WILL UNDERSTAND AND MANAGE ASSURANCE AND SECURITY MEASURES WITHIN THE ENTERPRISE. TOPICS INCLUDE OPERATIONAL ISSUES, POLICIES AND PROCEDURES, ATTACKS AND RELATED DEFENSE MEASURES, RISK ANALYSIS, BACKUP AND RECOVERY, AND THE SECURITY OF INFORMATION. 3 CREDITS.

**CSC 430 DATABASE SYSTEMS** PROVIDES STUDENTS WITH THE BACKGROUND TO PLAN, DESIGN, IMPLEMENT, MAINTAIN, AND USE DATABASE MANAGEMENT SYSTEMS. IT ADDRESSES DATABASE STRUCTURES, REQUIREMENTS, FUNCTIONS AND EVALUATION OF DATABASE MANAGEMENT SYSTEMS. THE COURSE FOCUSES ON THE RELATIONAL DATABASE MODEL, STANDARD SQL LANGUAGE, DATABASE STRUCTURE NORMALIZATION, CONCEPTUAL DATA MODELING, AND THE ENTITY-RELATIONSHIP DATA MODEL. CONCEPTS OF DATA INTEGRITY, SECURITY, PRIVACY, AND CONCURRENCE CONTROL ARE INCLUDED. 3 CREDITS.

**CSC 440 NETWORKING** IS AN IN-DEPTH ANALYSIS OF DATA COMMUNICATION AND NETWORKING RANGING FROM THE PRIMITIVE HISTORICAL APPROACHES TO THE EVER CHANGING MODERN STATE OF THE FIELD. IT INCLUDES PRINCIPLES OF NETWORK DESIGN, USING A TOP-DOWN APPROACH AND FOCUSING ON TECHNOLOGIES USED IN THE INTERNET. IT WILL HELP STUDENTS LEARN TO DESIGN NETWORK-AWARE APPLICATIONS USING SOCKETS, THREADING, AND CONCURRENCY AS THEY UNDERSTAND THE TRANSPORT LAYER DOWN TO THE PHYSICAL LAYER. 3 CREDITS.

**CSC 470 PROGRAMMING LANGUAGES** SURVEYS MAJOR TOPICS IN THE DESIGN, ANALYSIS, IMPLEMENTATION AND USE OF HIGH-LEVEL LANGUAGES. THE FOUR MAJOR PROGRAMMING PARADIGMS ARE STUDIED (PROCEDURAL, FUNCTIONAL, OBJECT, AND DECLARATIVE). PROGRAMMING PROJECTS IN EACH PARADIGM ARE IMPLEMENTED. PREREQUISITES: CSC 325, CSC 360. 3 CREDITS.

**CSC 480 TOPICS IN COMPUTER SCIENCE** THIS COURSE FOCUSES ON A TOPIC IN COMPUTER SCIENCE DEFINED BY THE DEPARTMENT IN CONSULTATION WITH STUDENTS. STUDENTS READ CURRENT PROFESSIONAL LITERATURE, DISCUSS WORK BEING DONE IN THE AREA, CARRY OUT RELATED PROJECTS, WRITE PAPERS AND RESEARCH REPORTS, AND MAKE FORMAL, PUBLIC PRESENTATIONS OF THEIR WORK. PREREQUISITES: CSC 325, CSC 360. 3 CREDITS.

## **CRIMINAL JUSTICE & PUBLIC POLICY**

**JPP101 AMERICAN GOVERNMENT** STUDIES THE BASIC FOUNDATIONS AND UNDERLYING PRINCIPLES OF AMERICAN NATIONAL, STATE, AND LOCAL GOVERNMENT. 3 CREDITS.

**JPP 102 INTRO TO LAW ENFORCEMENT** STUDIES THE HISTORY, PHILOSOPHY AND FUNCTIONS OF LOCAL POLICE DEPARTMENT, COUNTY SHERIFF DEPARTMENTS, STATE LAW ENFORCEMENT AGENCIES AND FEDERAL INVESTIGATORY AND INTELLIGENCE GATHERING AGENCIES. 3 CREDITS.

**JPP 103 CRIMINOLOGY** STUDIES CAUSATIONS OF CRIME, INCLUDING SOCIOLOGICAL, PSYCHOLOGICAL, BIO-PHYSIOLOGICAL AND FREE WILL THEORIES. 3 CREDITS.

**JPP 104 INTRO TO COURTS** STUDIES THE HISTORY, PHILOSOPHY AND FUNCTIONS OF AMERICAN COURTS. 3 CREDITS.

**JPP 105 FOUNDATIONS OF JUSTICE** STUDIES THE HISTORICAL FORMATIONS AND PHILOSOPHIES OF OUR JUSTICE SYSTEM AND ITS PUBLIC POLICIES. 3 CREDITS.

**JPP 110 JUVENILE THEORY** EXAMINES THE THEORY, LAW, POLICY AND APPLICATION ASPECTS OF DELINQUENCY AND JUVENILE JUSTICE, WHICH IS SEEN AS A COMPLEX AND CHANGING PHENOMENON. 3 CREDITS.

**JPP 206 INTRO TO CORRECTIONS** STUDIES THE HISTORY, PHILOSOPHY AND FUNCTIONS OF THE AMERICAN CORRECTIONAL SYSTEM. 3 CREDITS.

**JPP 207 SUBSTANTIVE CRIMINAL LAW** STUDIES DEFINITIONS OF LAW, DEFINITIONS OF CRIME, GENERAL PRINCIPLES OF CRIMINAL RESPONSIBILITY, ELEMENTS OF THE MAJOR CRIMES, PUNISHMENTS, CONDITIONS OR CIRCUMSTANCES, THAT MAY EXCUSE CRIMINAL RESPONSIBILITY OR MITIGATE PUNISHMENT. 3 CREDITS.

**JPP 214 CRIMINAL INVESTIGATIONS** STUDIES THE CRIMINAL INVESTIGATION PROCESS INCLUDING INTERVIEWING, CRIME SCENE ANALYSIS, COLLECTION OF EVIDENCE, AND ANALYSIS OF ISSUES CRITICAL TO INVESTIGATIONS. 3 CREDITS.

**JPP 245 CRIMINAL JUSTICE RESEARCH METHODS** WILL ACQUAINT THE STUDENT WITH THE VARIOUS RESEARCH SKILLS AND METHODS USED IN THIS DISCIPLINE. BOTH QUANTITATIVE AND QUALITATIVE RESEARCH STRATEGIES WILL BE DISCUSSED, AS WELL AS ISSUES IN MEASUREMENT, RESEARCH DESIGN, AND HYPOTHESIS FORMATION. 3 CREDITS.

**JPP 308 PROCEDURAL CRIMINAL LAW** EXAMINES THE LAW RELATING TO ARRESTS, SEARCHES, AND SEIZURES BY LAW ENFORCEMENT OFFICERS AS WELL AS RULES OF EVIDENCE AND COURTROOM PROCEDURES FOLLOWED IN COURT BY PROSECUTORS AND DEFENSE ATTORNEYS. 3 CREDITS.

**JPP 310 ADMINISTRATION OF JUSTICE** STUDIES THE PHILOSOPHIES, HISTORY AND CURRENT TECHNIQUES OF ADMINISTRATION OF CRIMINAL JUSTICE AGENCIES, INCLUDING GENERAL PRINCIPLES OF ADMINISTRATION AND MANAGEMENT. 3 CREDITS.

**JPP 311 CRIMINAL PSYCHOLOGY (w)** STUDIES THE PSYCHOLOGICAL THEORIES OF CRIME CAUSATION AND THE IMPACT OF THE USE OF PSYCHOLOGY ON THE LEGAL SYSTEM. CROSSLISTED JPP 311. PREREQUISITES: PSY 101, PSY 315, AND PSY 425. 3 CREDITS.

**JPP 399 CRIMINAL JUSTICE INTERNSHIP (w)** PROVIDES AN OPPORTUNITY TO EXERCISE IN A PRACTICAL MANNER, THE SKILLS, KNOWLEDGE AND RESPONSIBILITIES OF A CRIMINAL JUSTICE PRACTITIONER. 3-6 CREDITS.

**JPP 414 WHITE COLLAR/FINANCIAL CRIMES** STUDIES THE HISTORY, TYPE AND METHODS OF OPERATION OF WHITE COLLAR AND FINANCIAL CRIMES. 3 CREDITS.

**JPP 415 ETHICS IN CRIMINAL JUSTICE (w)** STUDIES THE MANY ETHICAL PROBLEMS AND DILEMMAS CONFRONTED BY THE CRIMINAL JUSTICE PROFESSIONAL. 3 CREDITS.

**JPP 416 CAREERS IN CRIMINAL JUSTICE (w)** PRESENTS THE NUMEROUS CAREER OPPORTUNITIES IN THE FIELD OF CRIMINAL JUSTICE. 3 CREDITS.

## EARLY CHILDHOOD EDUCATION

**ECE 100 THE DEVELOPING CHILD** PROVIDES A GENERAL OVERVIEW OF THE PHYSICAL, SOCIAL, EMOTIONAL AND INTELLECTUAL DEVELOPMENT OF THE CHILD FROM CONCEPTION TO AGE 8. IT EXAMINES THE ENVIRONMENTAL, ETHNIC AND FAMILIAL FACTORS THAT MAKE FOR GROUP DIFFERENCES AND INDIVIDUALITY OF GROWTH, AND REVIEWS CURRENT RESEARCH IN THESE AREAS. 3 CREDITS.

**ECE 201 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION** OVERVIEW OF PURPOSES, PHILOSOPHY, PROGRAMS, AND ISSUES RELATED TO THE CARE AND EDUCATION OF CHILDREN, AGES BIRTH THROUGH EIGHT, INCLUDING 'DEVELOPMENTALLY APPROPRIATE PRACTICES,' PROFESSIONALISM, AND ETHICAL STANDARDS. 3 CREDITS

**ECE 250 PLANNING CURRICULUM & INSTRUCTION FOR YOUNG CHILDREN** CREATION AND EVALUATION OF CURRICULUM, INSTRUCTIONAL UNITS AND ACTIVITIES THAT ARE DEVELOPMENTALLY APPROPRIATE FOR YOUNG CHILDREN. CURRICULAR INTEGRATION TO SUPPORT PHYSICAL, SOCIAL, EMOTIONAL, LANGUAGE, COGNITIVE, SPIRITUAL AND AESTHETIC DEVELOPMENT. 3 CREDITS.

**ECE 260 HEALTH, SAFETY AND NUTRITION IN EARLY CHILDHOOD** ENCOMPASSES BEST PRACTICES IN HEALTH, SAFETY AND NUTRITION ARE PRESENTED. STUDENTS DEVELOP SPECIFIC COMPETENCIES IN THESE AREAS INCLUDING ESTABLISHING AND MAINTAINING A HEALTHY, SAFE CHILD CARE PROGRAM, PLANNING NUTRITIOUS MEALS AND SNACKS, AND TEACHING CHILDREN AND THEIR PARENTS ABOUT HEALTH, SAFETY AND NUTRITION. CHILD ABUSE, NEGLECT, COMMUNICABLE DISEASES, GOVERNMENT FUNDED CHILD/FAMILY FOOD AND NUTRITION PROGRAMS, PLAYGROUND AND TOY SAFETY AND RESOURCES FOR THE EARLY CHILDHOOD PROFESSIONAL ARE ALSO INCLUDED IN THIS COURSE. FIELD WORK EXPERIENCES WITH CHILDREN 8 YEARS AND YOUNGER ARE REQUIRED. 3 CREDITS.

**ECE 300 CHILD GUIDANCE AND CLASSROOM MANAGEMENT** FOCUSES ON CHILD GUIDANCE, ANTI-BIASED CURRICULUMS AND CLASSROOM MANAGEMENT FOR THE CHILD CARE PROVIDER AND ADULTS WORKING WITH PRESCHOOL AND ELEMENTARY SCHOOL AGED CHILDREN IN EDUCATIONAL SETTINGS. EMPHASIS IS PLACED ON THE SOCIAL AND EMOTIONAL DEVELOPMENT OF CHILDREN FROM BIRTH THROUGH AGE 8 AND DEVELOPMENTALLY APPROPRIATE GUIDANCE STRATEGIES. THIS COURSE MEETS POSITIVE BEHAVIOR SUPPORT STANDARDS FOR THE MICHIGAN DEPARTMENT OF EDUCATION (2000). FIELD WORK EXPERIENCE WITH CHILDREN AGE 8 OR YOUNGER IS REQUIRED. 3 CREDITS.

**ECE 310 ASSESSMENT OF YOUNG CHILDREN (W)** ASSESSMENT OF YOUNG CHILDREN DESCRIBES PURPOSES AND TECHNIQUES OF FORMAL AND INFORMAL ASSESSMENT, INCLUDING OBSERVATION, ANALYSIS AND REPORTING OF RESULTS. THE APPLICATION OF ASSESSMENT DATA IN PLANNING DEVELOPMENTALLY APPROPRIATE ACTIVITIES FOR CHILDREN WILL BE DISCUSSED. 3 CREDITS.

**ECE 315 LEARNING THROUGH CREATIVE EXPRESSION IN EARLY CHILD EDUCATION** INCLUDES USE OF THE FINE ARTS, INCLUDING MUSIC, ART, MOVEMENT AND DRAMATIC PLAY; AS A CENTRAL AND INTEGRATING COMPONENT OF THE CURRICULUM FOR YOUNG CHILDREN. OVERVIEW OF THE PURPOSE OF CREATIVE EXPRESSION. 3 CREDITS.

**ECE 325 TEACHING THE EXCEPTIONAL AND DIVERSE YOUNG CHILD** PRESENTS AN OVERVIEW OF THE MAJOR CATEGORIES OF EXCEPTIONALITY. METHODS FOR IDENTIFYING AND WORKING WITH CHILDREN IN CHILD CARE, RECREATIONAL AND EDUCATIONAL SETTINGS ARE EXPLORED. WORKING WITH AN INTERDISCIPLINARY TEAM AND PARTNERING WITH PARENTS IS A MAJOR FOCUS. A WORKING KNOWLEDGE OF RESOURCES, A COMFORT LEVEL FOR WORKING WITH EXCEPTIONAL CHILDREN AND THEIR FAMILIES, AND EXPLORING THE ROLES OF PROFESSIONALS WHO WORK WITH EXCEPTIONAL POPULATIONS ARE STRESSED. FIELD WORK EXPERIENCES WITH CHILDREN 8 YEARS AND YOUNGER ARE REQUIRED. 3 CREDITS.

**ECE 330 MATH AND SCIENCE FOR YOUNG CHILDREN** REVIEWS CURRENT RESEARCH, THEORIES AND PRACTICES REGARDING THE EARLY DEVELOPMENT OF MATHEMATICAL UNDERSTANDINGS AND SCIENTIFIC REASONING; STRATEGIES FOR SUPPORTING CHILDREN'S EXPLORATION AND UNDERSTANDING OF THE WORLD THROUGH INQUIRY-BASED, HANDS-ON ACTIVITIES. INCLUDES 10 HOURS SUPERVISED CLINICAL EXPERIENCE. 2 CREDITS.

**ECE 345 EMERGENT LITERACY RESEARCH** COVERS RESEARCH-SUPPORTED THEORIES, PHILOSOPHY AND TEACHING STRATEGIES AIMED AT SUPPORTING THE YOUNG CHILD'S EMERGENT READING, WRITING, SPEAKING AND LISTENING BEHAVIORS; SELECTING AND USING HIGH-QUALITY PICTURE BOOKS. INCLUDES 10 HOURS SUPERVISED CLINICAL EXPERIENCES. 2 CREDITS.

**ECE 370 PARTNERSHIPS FOR EARLY CHILDHOOD** COVERS RESEARCH AND STRATEGIES RELATED TO STRENGTHENING THE SCHOOL/FAMILY/COMMUNITY PARTNERSHIP, INCLUDING COMMUNICATION, SHARED DECISION-MAKING, IDENTIFICATION OF SERVICES, AND PARENTING SKILLS. 3 CREDITS.

**ECE 405 EARLY CHILDHOOD EDUCATION PROGRAM ADMINISTRATION** INTRODUCES STUDENTS TO SKILLS AND UNDERSTANDINGS NEEDED TO PROVIDE EFFECTIVE LEADERSHIP FOR CHILD CARE CENTERS AND PRESCHOOL PROGRAMS, INCLUDING BUDGETING AND FINANCES, HEALTH AND SAFETY ISSUES, STAFF MANAGEMENT, LICENSING PROCESSES, AND ONGOING PROGRAM IMPROVEMENT. 3 CREDITS.

**ECE 425 SEMINAR AND PRACTICUM IN INFANT AND TODDLER** IS PRACTICAL EXPERIENCE IN AN APPROVED STATE LICENSED CHILD CARE SETTING. CANDIDATES MUST HAVE 35 CLOCK HOURS WORKING WITH CHILDREN BIRTH TO AGE 30 MONTHS. JOURNALS, LESSON PLANNING, ASSESSMENT AND PROFESSIONAL RELATIONSHIPS ARE TOPICS COVERED IN THIS EXPERIENCE. THIS COURSE FOCUSES ON THE TYPICAL AND ATYPICAL DEVELOPMENT OF INFANTS AND TODDLERS. EMPHASIS IS ON THE CARE AND EDUCATION OF INFANTS AND TODDLERS IN LICENSED CHILD CARE SETTINGS WITH ATTENTION TO PHYSICAL ENVIRONMENT, EQUIPMENT AND MATERIALS AND CARE GIVER STRATEGIES. 2 CREDITS.

**ECE 450 EARLY CHILDHOOD PRACTICUM** IS 60 HOURS OF TIME CLINICAL EXPERIENCE IN A LICENSED INFANT, TODDLER CHILD, OR PRESCHOOL CARE PROGRAM. MAINTAINING SAFE AND HEALTHY ENVIRONMENTS, LEARNING THROUGH PLAY, INVESTIGATIONS AND DAILY ACTIVITIES; ESTABLISHING POSITIVE, SUPPORTIVE RELATIONSHIPS. 2 CREDITS.

## ECONOMICS

**ECON 200 PRINCIPLES OF ECONOMICS** IN THIS COURSE, STUDENTS WILL GAIN KNOWLEDGE AND UNDERSTANDING OF THE BASIC PRINCIPLES AND THEORIES OF MICRO AND MACROECONOMICS. A PRACTICAL ORIENTATION, HISTORICAL PERSPECTIVE, CRITICAL THINKING, AND THE ETHICAL IMPLICATIONS OF ECONOMIC POLICY WILL BE EMPHASIZED. TOPICS COVERED INCLUDE SUPPLY AND DEMAND, ELASTICITY, EXTERNALITIES, COST AND MARKET STRUCTURE, COMPETITION, MARKET POWER, ECONOMIC GROWTH, THE BUSINESS CYCLE, THE FINANCIAL SYSTEM, INFLATION, UNEMPLOYMENT, AND MACROECONOMIC POLICY. 3 CREDITS.

**ECON 222 MACRO-ECONOMICS** THIS COURSE PROVIDES A BASIC OVERVIEW OF MACROECONOMICS INCLUDING THE DETERMINATION OF ECONOMIC GROWTH AND EMPLOYMENT, FISCAL AND MONETARY POLICY, AND INTERNATIONAL TRADE. FULFILLS THE CITIZENSHIP CORE REQUIREMENT. 3 CREDITS.

**ECON 231 MICRO-ECONOMICS** PROVIDES A BASIC OVERVIEW OF ECONOMIC THEORY AND MICROECONOMIC TOPICS INCLUDING SUPPLY AND DEMAND, THE NATURE AND TYPES OF COMPETITION, AND THE ROLE OF THE GOVERNMENT IN THE MARKETS. 3 CREDITS.

**ECON 315 MACROECONOMICS CRISES IN HISTORY** ANALYZES THE CAUSES AND CONSEQUENCES OF MACROECONOMIC CRISES IN HISTORY AND PROVIDES INSIGHT INTO WHETHER OR NOT THESE CRISES CAN BE AVOIDED OR AMELIORATED BY WISE GOVERNMENT ECONOMIC POLICIES. PARTICULAR CRISES ANALYZED INCLUDE THE SOUTH SEA BUBBLE, THE GREAT DEPRESSION, AND THE CURRENT ECONOMIC CRISIS, WHICH IS SOMETIMES REFERRED TO AS THE "GREAT RECESSION." 3 CREDITS.

**ECON 320 MONEY AND BANKING** IS A FUNCTIONAL ANALYSIS OF FINANCIAL INSTITUTIONS WITH EMPHASIS ON COMMERCIAL BANKING. IT INCLUDES A REVIEW OF THE NATURE, HISTORY, AND FUNCTIONS OF MONEY CREATING DEPOSITORY INSTITUTIONS. IT ALSO INCLUDES AN EXAMINATION OF THE ROLE OF CENTRAL BANKS AND THE IMPLICATIONS OF MONETARY AND FISCAL POLICY FOR ECONOMIC GROWTH, INFLATION, EMPLOYMENT, TRADE, AND EXCHANGE RATES. PREREQUISITES: ECON 221, ECON 231, AND FIN 300. 3 CREDITS.

**ECON 322 INTERMEDIATE MACROECONOMICS** EXPLORES SEVERAL THEORETICAL MODELS RELATING TO THE DETERMINANTS OF UNEMPLOYMENT, INFLATION, ECONOMIC GROWTH, AND ECONOMIC STABILITY IN A PRIMARILY MARKET BASED ECONOMY. WITHIN THIS FRAMEWORK, THE IMPACT OF FISCAL AND MONETARY POLICY IS EXPLORED WITHIN THE CONTEXT OF THE CURRENT ECONOMIC ENVIRONMENT. THIS COURSE IS DESIGNED TO UTILIZE THEORETICAL AND MATHEMATICAL TOOLS THAT ARE MORE ADVANCED THAN THOSE APPLIED IN THE INTRODUCTORY MACROECONOMICS COURSE. PREREQUISITES: ECON 222. 3 CREDITS.

**ECON 331 INTERMEDIATE MICROECONOMICS** PROVIDES A RIGOROUS ANALYSIS OF CONSUMER PREFERENCES AS RELATED TO THE DEMAND FOR GOODS AND SERVICES, AS WELL AS THE THEORY OF THE FIRM WHICH RELATES MARKET STRUCTURE TO THE SUPPLY OF GOODS AND SERVICES AND THE EFFICIENT ALLOCATION OF SCARCE RESOURCES. THIS COURSE IS DESIGNED TO USE THEORETICAL AND MATHEMATICAL TOOLS THAT ARE MORE ADVANCED THAN THOSE APPLIED IN THE INTRODUCTORY MICROECONOMICS COURSE. PREREQUISITES: ECON 231. 3 CREDITS.

**ECON 370 INTERNATIONAL ECONOMICS** IN THIS COURSE, STUDENTS EXPLORE THE FUNCTIONING OF THE INTERNATIONAL ECONOMY, WITH PRIMARY EMPHASIS ON THE CAUSES AND CONSEQUENCES OF GLOBALIZATION, THE COSTS AND BENEFITS OF INTERNATIONAL TRADE AND FOREIGN INVESTMENT, THE ECONOMICS OF DEVELOPING COUNTRIES, THE BALANCE OF PAYMENTS, THE INTERNATIONAL MONETARY SYSTEM, EXCHANGE RATES, AND THE INTERNATIONAL FLOW OF CAPITAL. 3 CREDITS.

## EDUCATION

**EDU 100 EDUCATION SEMINAR** A SEMINAR FOR EDUCATION MAJORS WHO HAVE NOT YET OBTAINED UPPER DIVISION STATUS. PRE-UDS ORIENTS STUDENTS TO THE EDUCATION PROGRAM AND THE PROCESS OF ACHIEVING UPPER DIVISION STATUS. MAJOR COMPONENTS INCLUDE THE CLINICAL EXPERIENCES AND THE PRE-PROFESSIONAL SKILLS TEST. WHEN CLINICAL HOURS ARE COMPLETED, CREDIT IS GIVEN THROUGH EDU 211, EDU 212, AND EDU 213. STUDENTS SHOULD REGISTER FOR EDU 100 THEIR FIRST SEMESTER IN THE EDUCATION PROGRAM AND MUST PASS THIS COURSE. THIS COURSE IS PASS/FAIL.

**EDU 200 ADMIT TO PROGRAM SEMINAR** IS A SEMINAR FOR EDUCATION MAJORS WHO HAVE OBTAINED OR ARE WORKING TOWARD OBTAINING UPPER DIVISION STATUS (UDS). THIS SEMINAR ORIENTS STUDENTS TO REQUIRED CONTENT KNOWLEDGE EXAM, PRE-STUDENT TEACHING, AND COMPLETING DEGREE REQUIREMENTS. STUDENTS SHOULD REGISTER FOR EDU 200 DURING THEIR JUNIOR YEAR. PREREQUISITES: 60 OR MORE CREDITS, PASSED EDU 100, AND HAVE OBTAINED OFFICIAL ADMITTANCE INTO THE SCHOOL OF EDUCATION. 0 CREDITS.

**EDU 203 EDUCATION TECHNOLOGY** A COURSE THAT TEACHES HOW TO DEVELOP A SPREADSHEET, A DATABASE, AND WEB PAGES. SPREADSHEET DEVELOPMENT INCLUDES FORMATTING AND FORMULAS. DATABASE CREATION INCLUDES WORKING WITH TABLES, QUERIES, FORMS, REPORTS AND MAIL MERGE. THE CONCEPT OF WEBQUESTS AND DEVELOPING WEB PAGES IS ALSO LEARNED, AND COPYRIGHT ISSUES ARE EXPLORED. ALTHOUGH DESIGNED FOR EDUCATION STUDENTS, THIS COURSE CAN BE TAKEN BY ANYONE. NO PREREQUISITE. 1 CREDIT.

**EDU 214 CHILD DEVELOPMENT** STUDIES THE DEVELOPMENTAL STAGES OF BECOMING HUMANS FROM BIRTH TO PRE-ADOLESCENCE INVOLVING PRIMARILY THOSE PSYCHOBIOLOGICAL AND PSYCHOSOCIAL CHANGES WHICH ARE A CONCERN FOR PSYCHOLOGISTS AND EDUCATORS. SPECIAL ATTENTION IS GIVEN TO THE BIRTH PROCESS, PARENTING, INDIVIDUAL DIFFERENCES, EMOTIONAL AND INTELLECTUAL DEVELOPMENT, AS WELL AS ETHNIC BACKGROUND, RELIGIOUS TRAINING AND SOCIO-ECONOMIC AFFILIATION. PREREQUISITE: PSY 101. 3 CREDITS.

**EDU 220 FOUNDATIONS OF EDUCATION** BY INVESTIGATING HISTORIC AND CURRENT UNDERSTANDINGS OF LEARNING AND SCHOOLING WITHIN A MULTICULTURAL SOCIETY, THE FUTURE TEACHER WILL CONSTRUCT A FOUNDATION FOR REFLECTIVE TEACHING AND DECISION MAKING THAT UTILIZES BEST PRACTICES IN PEDAGOGY, TECHNOLOGY, AND METHODOLOGY. FULFILLS THE PHILOSOPHICAL FOUNDATIONS CORE REQUIREMENT. 3 CREDITS.

**EDU 225 FOUNDATIONS OF MUSIC EDUCATION** STUDENTS GAIN AN OVERVIEW OF METHODOLOGIES, HISTORY, AND PRACTICAL APPLICATION OF MUSIC EDUCATION. 1 CREDIT.

**EDU 300 PROFESSIONAL SEMESTER SEMINAR** A SEMINAR FOR EDUCATION MAJORS WHO HAVE OBTAINED UPPER DIVISION STATUS. UDS SEMINAR ORIENTS STUDENTS TO THE REQUIREMENTS NECESSARY TO COMPLETE THE EDUCATION PROGRAM. MAJOR COMPONENTS INCLUDE THE PRAXIS II EXAM, STUDENT TEACHING, THE LCMS CALL PROCESS, AND PLACEMENT. STUDENTS SHOULD REGISTER FOR ED 300 EVERY SEMESTER AFTER OBTAINING UPPER DIVISION STATUS UNTIL STUDENT TEACHING. 0 CREDITS.

**EDU 303 DIFFERENTIATING INSTRUCTION** EXPLORES MATERIALS AND METHODS IN THE STUDY OF THE COMMUNICATION SKILLS: SPEAKING, LISTENING, WRITING, AND READING, AND THEIR INTERRELATIONSHIPS. 3 CREDITS.

**EDU 321 PROFESSIONAL PRACTICES IN ART EDUCATION** VISUAL ART TEACHER CANDIDATES ARE INTRODUCED TO STRATEGIES FOR ADVOCACY FOR THE ARTS, PROFESSIONAL DEVELOPMENT REQUIREMENTS AND PROFESSIONAL PRACTICES.

**EDU 325 CHORAL METHODS** STUDENTS WILL DEVELOP KNOWLEDGE AND SKILLS TO TEACH DIVERSE LEARNERS OF ALL AGES, USING APPROPRIATE TEACHING PRACTICES FOR CHORAL MUSIC INSTRUCTION. 2 CREDITS.

**EDU 326 INSTRUMENTAL MUSIC METHODS** STUDENTS WILL DEVELOP KNOWLEDGE AND SKILLS TO TEACH DIVERSE LEARNERS OF ALL AGES, USING APPROPRIATE TEACHING PRACTICES FOR INSTRUMENTAL MUSIC. 2 CREDITS.

**EDU 343 TEACHING READING IN THE ELEMENTARY CLASSROOM** CANDIDATES WILL DEVELOP AN UNDERSTANDING OF THE READING AND WRITING PROCESSES AND BE ABLE TO APPLY A WIDE RANGE OF INSTRUCTIONAL PRACTICES THAT DEVELOP THE SKILLS NEEDED TO USE THE SYMBOLIC, SYSTEM OF WRITTEN LANGUAGE, INCLUDING WORD RECOGNITION, PHONEMIC AWARENESS, SYSTEMATIC, EXPLICIT PHONICS, STRUCTURAL ANALYSIS AND CONTEXT CLUES AND COMPREHENSION STRATEGIES. CANDIDATES WILL UTILIZE FORMAL AND INFORMAL ASSESSMENTS TO MONITOR STUDENTS' PROGRESSION THROUGH EMERGENT, DEVELOPING, AND FLUENT LITERACY.

**EDU 344 TEACHING STRUGGLING READERS/WRITERS IN THE ELEMENTARY CLASSROOM** THIS COURSE WILL FOCUS ON TEACHING STRUGGLING READERS AND WRITERS IN THE ELEMENTARY CLASSROOM. CANDIDATES WILL UTILIZE ASSESSMENT DATA TO MONITOR STUDENT PROGRESS IN READING AND WRITING AND TO DEVELOP EFFECTIVE INSTRUCTIONAL STRATEGIES THAT MEET THE NEEDS OF EACH LEARNER. 3 CREDITS.

**EDU 351 CROSS CULTURAL COMMUNICATIONS** WILL EXAMINE CULTURAL DIVERSITY THAT EXISTS LOCALLY AND GLOBALLY IN ORDER TO DEVELOP A POSITIVE APPRECIATION FOR THE CONTRIBUTIONS OF OTHER CULTURES, SOCIETY AND TRADITIONS. THIS COURSE WILL ASSIST EDUCATORS IN UNDERSTANDING AND RECOGNIZING THE EMOTIONAL AND PSYCHOLOGICAL CHALLENGES FOR THE ESL/ELL AND BILINGUAL/BICULTURAL STUDENTS. 3 CREDITS.

**EDU 352 BASIC LINGUISTICS FOR ESL TEACHERS** IS CENTERED ON AN IN-DEPTH ANALYSIS OF LANGUAGE SYSTEMS, PHONOLOGY, SYNTAX, MORPHOLOGY, FROM THE PROSPECTIVE OF LINGUISTS AND TEACHERS. STUDENTS WILL HAVE AN OPPORTUNITY TO ENGAGE IN SYSTEMATIC APPLICATIONS AND STUDY THE COMPLEX PHENOMENON OF LANGUAGE AND DIFFERENT ASPECTS OF THE ENGLISH LANGUAGE. 3 CREDITS.

**EDU 353 ESL LITERACY: READING, WRITING AND GRAMMAR STRATEGIES** WILL ALLOW STUDENTS THE OPPORTUNITY TO ENGAGE IN SYSTEMATIC APPLICATIONS OF STRATEGIES FOR TEACHING READING, WRITING, LISTENING AND GRAMMAR. STUDENTS WILL CONDUCT MINI LESSONS TARGETING SPEAKING, PRONUNCIATION, LISTENING, WRITING AND READING FOR ALL WIDA PROFICIENCY LEVELS. 3 CREDITS.

**EDU 354 INTEGRATION OF LANGUAGE AND CONTENT IN ESL** WILL EQUIP STUDENTS WITH THE KNOWLEDGE, STRATEGIES AND ABILITY TO DEVELOP, INTEGRATE, AND IMPLEMENT ESL STRATEGIES WITHIN THE CORE CONTENT AREAS OF SCIENCE, MATH AND SOCIAL STUDIES. STUDENTS WILL LEARN TO CREATE LESSON PLANS THAT ACCOMMODATE ELL LEARNERS IN THE CLASSROOM. 3 CREDITS.

**EDU 355 ASSESSMENTS IN ESL** WILL AID EDUCATORS IN HOW TO CONDUCT FORMATIVE AND SUMMATIVE ASSESSMENTS FOR ESL STUDENTS. THE STUDENTS IN THIS COURSE WILL LEARN TO ADMINISTER, EVALUATE AND RECOGNIZE ENGLISH PROFICIENCY LEVELS FOR ESL STUDENTS. STUDENTS WILL BECOME FAMILIAR WITH THE WIDA MODEL FOR ASSESSMENTS AND INSTRUCTION. 3 CREDITS.

**EDU 356 METHODS OF TEACHING IN ESL** WILL PRESENT EFFECTIVE TEACHING METHODS FOR TEACHING ELL STUDENTS AT ALL LEVELS. THE STUDENTS WILL BE EXPOSED TO ACTIVITIES FOR READING, WRITING, LISTENING AND SPEAKING THAT ARE CONSIDERED BEST PRACTICES FOR OBTAINING ENGLISH LANGUAGE SKILLS THAT ALIGN WITH THE MICHIGAN ESL STANDARDS. 3 CREDITS.

**EDU 357 OBSERVATION, ANALYSIS AND PRACTICUM IN ESL PROGRAMS** IS THE CAPSTONE COURSE FOR THE ESL CERTIFICATION PROGRAM. STUDENTS WILL TRY OUT SKILLS AND TECHNIQUES WITH ELL STUDENTS IN GENERAL EDUCATION CLASSROOMS OR IN ESL CLASSROOMS. OBSERVATIONAL ANALYSIS AND FEEDBACK WILL BE PROVIDED BY HOST TEACHERS. STUDENTS WILL CREATE A PORTFOLIO TO DOCUMENT THEIR EXPERIENCES AND SHOW PROGRESS IN TEACHING ELL STUDENTS. 3 CREDITS.

**EDU 362 FAITH DEVELOPMENT OF YOUNG CHILD** COMPARATIVE IS A STUDY OF HOW FAITH DEVELOPS IN THE YOUNG CHILD. STUDENTS CREATE WORKSHOPS, LESSONS, AND ACTIVITIES TO SUPPORT THE DEVELOPMENT OF FAITH IN CHILDREN BIRTH TO AGE 8. TEAM MINISTRY AND MODELING THE CHRISTIAN LIFESTYLE ARE AREAS OF FOCUS. PREREQUISITES: UPPER DIVISION STATUS, EDU 358, EDU 359. 3 CREDITS.

**EDU 364 TEACHING ENGLISH LANGUAGE LEARNERS** CANDIDATES WILL DEVELOP THE KNOWLEDGE, SKILLS, AND DISPOSITIONS NECESSARY IN DELIVERING EFFECTIVE INSTRUCTION TO ENGLISH LANGUAGE LEARNERS IN THE REGULAR CLASSROOM SETTING. CANDIDATES WILL EXAMINE SECOND LANGUAGE ACQUISITION AND LITERACY DEVELOPMENT, CULTURALLY RESPONSIVE PEDAGOGY, AND EFFECTIVE ASSESSMENT PRACTICES. THE ESL NATIONAL AND STATE STANDARDS WILL ALSO BE EXPLORED. 3 CREDITS.

**EDU 408 TEACHING THE CHRISTIAN FAITH (w)** STUDENTS PREPARE AND EVALUATE OBJECTIVES, STRATEGIES, AND MATERIALS FOR TEACHING THE CHRISTIAN FAITH TO LUTHERAN AND NON-LUTHERAN THROUGH LESSONS, THE INTEGRATION OF THE FAITH ACROSS THE CURRICULUM, AND THROUGH WORSHIP EXPERIENCES. THIS IS A WRITING INTENSIVE COURSE. 2 CREDITS.

**EDU 422 C&I: ELEMENTARY SOCIAL STUDIES EDUCATION** CANDIDATES LEARN AND PRACTICE METHODS USEFUL IN TEACHING SOCIAL STUDIES TO STUDENTS IN ELEMENTARY GRADES.

**EDU 423 C&I: ELEMENTARY INTEGRATED SCIENCE EDUCATION** TEACHER CANDIDATES WILL LEARN METHODOLOGIES OF AND DEVELOP SKILLS FOR THE PLANNING, INSTRUCTING, AND ASSESSING OF SCIENCE EDUCATION. THE COURSE ADVOCATES THE CONSTRUCTIVIST APPROACH AND HANDS-ON LEARNING IN THE ELEMENTARY SCIENCE CLASSROOM. IT INCLUDES CLINICAL EXPERIENCE TEACHING UNDER THE SUPERVISION OF A COOPERATING TEACHER ON SITE. 3 CREDITS.

**EDU 424 CURRICULUM AND METHODS IN MATHEMATICS** ELEMENTARY/MIDDLE EXPLORES CONTENT, MATERIALS, AND STRATEGIES FOR TEACHING AND ASSESSING ELEMENTARY AND MIDDLE SCHOOL STUDENTS' MATHEMATICS. CURRENT RESEARCH IN MATHEMATICS EDUCATION AND CURRICULUM DEVELOPMENT IS EMPHASIZED. PRESERVICE TEACHERS WILL TEACH MATHEMATICS IN LOCAL SCHOOLS AND DEVELOP A PHILOSOPHY FOR TEACHING MATHEMATICS. PREREQUISITES: MATH 119 AND 120; UPPER DIVISION STATUS; ED301 CONCURRENT. 3 CREDITS.

**EDU 425 C&I: ELEMENTARY VISUAL & PERFORMING ARTS EDUCATION** STUDENTS DISCOVER PRINCIPLES, METHODS, AND MATERIALS FOR TEACHING MUSIC IN THE ELEMENTARY CLASSROOM. 2 CREDITS.

**EDU 427 C&I: ELEMENTARY HEALTH & PHYSICAL EDUCATION** BY INVESTIGATING HISTORIC AND CURRENT UNDERSTANDINGS OF LEARNING AND SCHOOLING WITHIN A MULTICULTURAL SOCIETY, THE FUTURE TEACHER WILL CONSTRUCT A FOUNDATION FOR REFLECTIVE TEACHING AND DECISION MAKING THAT UTILIZES BEST PRACTICES IN PEDAGOGY, TECHNOLOGY, AND METHODOLOGY. 2 CREDITS.

**EDU 432 TEACHING WRITING** IS DESIGNED TO ACQUAINT ELEMENTARY AND SECONDARY TEACHERS WITH THE STAGES OF THE WRITING PROCESS. COVERS VARIOUS APPROACHES TO EVALUATING WRITING, OVERVIEWS HISTORIC AND RECENT RHETORICAL THEORIES, AND PROMOTES AWARENESS OF THE IMPORTANCE OF CONSIDERATION OF AUDIENCE AS WELL AS THE EFFECTS OF CULTURAL AND EDUCATIONAL CONTEXTS ON WRITING. 3 CREDITS.

**EDU 438 CONTENT AREA READING (w)** CANDIDATES WILL EXAMINE AND CREATE INSTRUCTIONAL STRATEGIES IN WHICH STUDENTS USE READING, WRITING, TALKING, LISTENING, AND VIEWING TO LEARN SUBJECT MATTER IN A GIVEN DISCIPLINE. CANDIDATES WILL FOCUS ON INSTRUCTIONAL TOOLS AND STRATEGIES THAT EFFECTIVELY DEVELOP CONTENT KNOWLEDGE AND UNDERSTANDING. 3 CREDITS.

**EDU 441 DIRECTED TEACHING-ELEMENTARY EDUCATION** IN THIS EXPERIENCE, THE TEACHER CANDIDATE WILL DESIGN, DELIVER AND USE REFLECTIVE AUTHENTIC ASSESSMENTS. THE TEACHER CANDIDATE WILL USE COMPLEX PATTERNS OF TEACHING PERFORMANCES ACROSS THE CURRICULUM THAT ARE WELL-ALIGNED, WELL-DIFFERENTIATED, AND HAVE A POSITIVE EFFECT ON STUDENT LEARNING. 15 CREDITS.

**EDU 442 DIRECTED TEACHING K-12 ELEMENTARY EDUCATION** PROVIDES ONE OF TWO CULMINATING CLINICAL EXPERIENCES FOR STUDENTS WHO WILL RECEIVE A TEACHING LICENSE FOR GRADES K-12. STUDENTS WILL ENROLL CONCURRENTLY IN ED 434. PREREQUISITES: ADMITTANCE AND COMPLETION OF AL 300 LEVEL EDUCATION COURSES. 6 CREDITS.

**EDU 445 OFFICE OF THE CHRISTIAN TEACHER** A STUDY OF THE ROLE OF THE PROFESSIONAL EDUCATOR IN THE LUTHERAN SCHOOL SYSTEM. SPECIAL EMPHASIS WILL BE GIVEN TO THE MINISTRY OF THE LUTHERAN TEACHER, THE CALL AND PLACEMENT PROCESS, STAFF RELATIONSHIPS, AND THE ROLE OF THE TEACHER IN THE TOTAL PARISH PROGRAM. 2 CREDITS.

**EDU 446 DIRECTED TEACHING-SECONDARY EDUCATION** IN THIS EXPERIENCE, THE TEACHER CANDIDATE WILL DESIGN, DELIVER AND USE REFLECTIVE AUTHENTIC ASSESSMENTS. THE TEACHER CANDIDATE WILL USE COMPLEX PATTERNS OF TEACHING PERFORMANCES ACROSS THE CURRICULUM THAT ARE WELL-ALIGNED, WELL-DIFFERENTIATED, AND HAVE A POSITIVE EFFECT ON STUDENT LEARNING. 15 CREDITS.

**EDU 450 TEACHING ART AT THE ELEMENTARY LEVEL** ADDRESSES THE PEDAGOGICAL AND PRACTICAL CONSIDERATIONS OF TEACHING ART AT THE LOWER AND UPPER ELEMENTARY LEVELS WITH A WELL-ALIGNED AND WELL-DIFFERENTIATED INTEGRATION OF A DISCIPLINE-BASED APPROACH TO ART EDUCATION ACROSS THE CURRICULUM. 5 CREDITS.

**EDU 452 TEACHING ART AT THE SECONDARY LEVEL** ADDRESSES THE PEDAGOGICAL AND PRACTICAL CONSIDERATIONS OF TEACHING ART AT THE LOWER AND UPPER ELEMENTARY LEVELS WITH A WELL-ALIGNED AND WELL-DIFFERENTIATED INTEGRATION OF A DISCIPLINE-BASED APPROACH TO ART EDUCATION ACROSS THE CURRICULUM. 5 CREDITS.

**EDU 461 SECONDARY ENGLISH/LANGUAGE ARTS METHODS** CANDIDATES GAIN AN UNDERSTANDING IN THE CONTENT, METHODS AND MATERIALS FOR TEACHING ENGLISH IN THE SECONDARY SCHOOL. 3 CREDITS.

**EDU 462 SECONDARY SOCIAL STUDIES METHODS** STUDENTS EXPLORE SECONDARY SOCIAL SCIENCE INSTRUCTION AS IT RELATES TO GOAL DETERMINATION, STRATEGIES AND MATERIALS, IMPLEMENTATION OF TEACHING MODELS AND EVALUATION. 3 CREDITS.

**EDU 463 SECONDARY SCIENCE METHODS** TEACHER CANDIDATES WILL LEARN METHODOLOGIES OF AND DEVELOP SKILLS FOR THE PLANNING, INSTRUCTING, AND ASSESSING OF SCIENCE EDUCATION. THE COURSE ADVOCATES THE CONSTRUCTIVIST APPROACH AND THE USE OF INVESTIGATIVE LABS TO TEACH SCIENCE IN THE SECONDARY SCHOOL CLASSROOM. IT INCLUDES CLINICAL EXPERIENCE TEACHING UNDER THE SUPERVISION OF A COOPERATING TEACHER ON SITE. 3 CREDITS.

**EDU 464 SECONDARY MATHEMATICS METHODS** THIS COURSE FOCUSES ON THE METHODS AND MATERIALS FOR SECONDARY MATHEMATICS TEACHING INCLUDING: THE NATURE OF SECONDARY STUDENTS, SECONDARY MATHEMATICS CURRICULA, TEXTUAL MATERIALS, COURSE AND LESSON PLANNING AND PROFESSIONAL GROWTH. 3 CREDITS.

**EDU 467 SECONDARY PHYSICAL EDUCATION METHODS** THIS COURSE PROVIDES A METHODOLOGICAL APPROACH TO TEACHING PHYSICAL EDUCATION. ATTENTION IS DEVOTED TO UNDERSTANDING THE GROWTH OF THE STUDENT IN CURRICULUM DEVELOPMENT, PROGRAM PLANNING, AND INSTRUCTIONAL TECHNIQUES. 3 CREDITS.

**EDU 469 SECONDARY SPEECH AND COMMUNICATION METHOD** THIS COURSE FOCUSES ON THE PRINCIPLES FOR TEACHING SECONDARY SPEECH AND COMMUNICATION COURSES INCLUDING: THE NATURE OF STUDENT LEARNING, COMMUNICATION CURRICULA, INSTRUCTIONAL STRATEGIES, TEXTUAL MATERIALS, COURSE AND LESSON PLANNING AND PROFESSIONAL GROWTH. 3 CREDITS.

**EDU 472 ELEMENTARY MUSIC METHODS** STUDENTS DISCOVER PRINCIPLES, METHODS, AND MATERIALS FOR TEACHING MUSIC IN THE ELEMENTARY CLASSROOM. 3 CREDITS.

**EDU 473 SECONDARY MUSIC METHODS** STUDENTS EXAMINE METHODS, MATERIALS AND PRINCIPLES FOR ORGANIZATION OF MUSIC COURSES AND ACTIVITIES IN SECONDARY SCHOOLS. 2 CREDITS.

**EDU 491 INTRODUCTION TO LEARNING DISABILITIES** PROVIDES AN INTRODUCTION TO THE FIELD OF LEARNING DISABILITIES. STUDENTS WILL INVESTIGATE ACADEMIC, FUNCTIONAL, AND SOCIAL CHARACTERISTICS OF LEARNERS FOUND ELIGIBLE FOR SPECIAL EDUCATION SERVICES AS LEARNING DISABLED. HISTORICAL PERSPECTIVES, DEFINITIONS, SERVICE DELIVERY SYSTEMS, EVALUATION PROCEDURES, AND CURRENT ISSUES WILL BE EXAMINED. THIS KNOWLEDGE WILL PREPARE STUDENTS TO HELP OTHERS UNDERSTAND THE NEEDS OF INDIVIDUALS WITH LEARNING DISABILITIES AND TO ADVOCATE FOR EDUCATIONAL POLICY, APPROPRIATE RESOURCES, AND EVIDENCE-BASED PRACTICES. 3 CREDITS.

**EDU 492 SPECIAL EDUCATION LEGISLATIONS AND LEGAL GUIDELINES** WILL PROVIDE CANDIDATES WITH A DEEP UNDERSTANDING OF THE HISTORY OF SPECIAL EDUCATION, CURRENT LEGAL AND ETHICAL STANDARDS, AND EMERGING ISSUES WHICH WILL PROVIDE THEM WITH A STRONG BASE TO ADVOCATE FOR EDUCATIONAL POLICY AND APPROPRIATE RESOURCES TO SUPPORT HIGH QUALITY EDUCATION AND LEGAL RIGHTS OF INDIVIDUALS WITH EXCEPTIONAL LEARNING NEEDS. 3 CREDITS.



**EDU 493 MEETING THE SOCIAL, EMOTIONAL, BEHAVIORAL NEEDS OF THE STUDENT** WILL PROVIDE CANDIDATES WITH PROFICIENCY IN UNDERSTANDING AND MANAGING THE DIVERSE SOCIAL/EMOTIONAL AND BEHAVIORAL NEEDS OF STUDENTS WITH LEARNING DISABILITIES. CANDIDATES WILL APPLY A THOROUGH UNDERSTANDING OF RESEARCH-BASED STRATEGIES TO DEVELOP INTERVENTION PLANS USING CURRENT DATA-BASED ASSESSMENT AND PRACTICES. CANDIDATES WILL BE ABLE TO APPLY KNOWLEDGE TO CREATE POSITIVE LEARNING ENVIRONMENTS FOR ALL STUDENTS. 3 CREDITS.

**EDU 494 COLLABORATION WITH PARENTS, STUDENTS AND OTHER PROFESSIONALS** WILL PROVIDE CANDIDATES ADVANCED UNDERSTANDING OF THE EDUCATIONAL AND SOCIETAL NEEDS OF STUDENTS WITH LEARNING DISABILITIES AS WELL AS SKILLS TO ADVOCATE FOR EDUCATIONAL POLICY, SERVICES, PROGRAMS, AND RESOURCES TO SUPPORT HIGH QUALITY EDUCATION. CANDIDATES WILL APPLY DEEP UNDERSTANDING TO PROMOTE ETHICAL, LEGAL, AND EVIDENCE-BASED PRACTICES FOR COLLABORATION AND PROFESSIONAL DEVELOPMENT WITH STAKEHOLDERS. 3 CREDITS.

**EDU 495 DETERMINING ELIGIBILITY AND DESIGNING EDUCATIONAL PROGRAMS** WILL PROVIDE CANDIDATES WITH EXPERTISE IN THE ASSESSMENT PROCEDURES REQUIRED TO IDENTIFY A SPECIFIC LEARNING DISABILITY. CANDIDATES WILL DEMONSTRATE SKILL IN USING ASSESSMENT DATA TO DEVELOP INDIVIDUALIZED EDUCATIONAL PLANS WHICH TAKE INTO ACCOUNT A FULL CONTINUUM OF PROGRAM OF PROGRAM OPTIONS AND SERVICES. CANDIDATES WILL DEMONSTRATE THE ABILITY TO PROVIDE EXTENSIVE INFORMATION REGARDING THE RESULTS OF ASSESSMENTS AND EDUCATIONAL RECOMMENDATIONS TO ALL STAKEHOLDERS. 3 CREDITS.

**EDU 496 LANGUAGE AND LITERACY** WILL PROVIDE CANDIDATES WITH EXPERTISE IN THE TEACHING OF LANGUAGE AND LITERACY SKILLS TO STUDENTS WITH LEARNING DISABILITIES. CANDIDATES WILL DEMONSTRATE THE SKILLS IN LANGUAGE AND LITERACY ASSESSMENTS AND DEVELOPMENT OF INSTRUCTIONAL STRATEGIES DESIGNED TO MEET THE INDIVIDUAL NEEDS OF EACH STUDENT WITH LEARNING DISABILITIES. THE CANDIDATES WILL ALSO DEMONSTRATE THE EXPERTISE IN THE AREA OF RESPONSE TO INTERVENTION (RTI) AND THE ROLE OF THE SPECIAL EDUCATION TEACHER IN THIS PROCESS. 3 CREDITS.

**EDU 497 MATH STRATEGIES FOR SPECIAL LEARNING NEEDS** WILL PROVIDE CANDIDATES WITH EXPERTISE IN THE TEACHING OF MATHEMATICS TO CHILDREN WITH LEARNING DISABILITIES. CANDIDATES WILL DEVELOP EXPERTISE IN THE AREA OF NCTM STANDARDS FOR PREK-12 GRADE, RTI AS IT APPLIES TO STUDENTS WITH LEARNING DISABILITIES, CURRICULUM BASED MEASURES AND PROGRESS MONITORING TOOLS TO DEVELOP APPROPRIATE PROGRAMS, AND STRATEGIES TO MODIFY AND ADAPT MATHEMATICS CURRICULUM TO MEET THE NEEDS OF STUDENTS WITH LEARNING DISABILITIES. 3 CREDITS.

**EDU 498 INSTRUCTION ACROSS CONTENT AREAS FOR STUDENTS WITH LEARNING DISABILITIES** WILL PROVIDE CANDIDATES WITH THE KNOWLEDGE AND SKILL REQUIRED TO ASSIST GENERAL EDUCATORS WITH UNDERSTANDING THE EDUCATIONAL AND EMOTIONAL NEEDS OF STUDENTS WITH DISABILITIES ALONG WITH THE ABILITY TO IMPLEMENT ACCOMMODATIONS, MODIFICATIONS AND BEST PRACTICE INSTRUCTIONAL STRATEGIES IN THE GENERAL EDUCATION SETTING. 3 CREDITS.

**EDU 499 DIRECTED STUDENT TEACHING IN SPECIAL EDUCATION WITH SEMINAR** CANDIDATES WILL COMPLETE 8 WEEKS FOR DIRECTED STUDENT TEACHING UNDER THE DIRECTION OF A CERTIFIED SPECIAL EDUCATION TEACHER ALONG WITH STUDENT TEACHING SEMINAR. DURING THIS STUDENT TEACHING EXPERIENCE, CANDIDATES WILL BE EVALUATED BY THEIR COOPERATING TEACHER IN 5 AREAS: DEMONSTRATING UNDERSTANDING OF STUDENTS WITH LEARNING DISABILITIES, ASSESSING STUDENTS WITH LEARNING DISABILITIES AND DEVELOPING INDIVIDUALIZED PROGRAMS, TEACHING AND MODIFYING INSTRUCTION AND CURRICULA FOR STUDENTS WITH LEARNING DISABILITIES, WORKING IN THE PROFESSIONAL ENVIRONMENT. 3 CREDITS.

## ENGLISH

**ENG 103 CIVILIZATIONS & WORLDVIEWS: LITERATURE** THIS CLASS PROVIDES PRACTICE AND EXPERIENCE IN READING THREE PRIMARY GENRES OF LITERATURE: FICTION, POETRY, AND DRAMA. THE PURPOSE OF THIS COURSE IS TO ENABLE THE STUDENT TO ENJOY AND APPRECIATE A WIDE SPECTRUM OF LITERATURE, WITH AN UNDERSTANDING OF HOW BEST TO UNDERTAKE VARIOUS TYPES OF CRITICAL ANALYSES OF A WORK. FULFILLS CORE LITERATURE REQUIREMENT. 3 CREDITS.

**ENG 104 INTRODUCTION TO WRITING** DESIGNED FOR THE STUDENT WITH A GOOD HIGH SCHOOL BACKGROUND IN WRITING, FOCUSES ON THE PROCESS OF WRITTEN EXPRESSION AND GIVES PRACTICE IN DEALING WITH THE VARIOUS MODES OF DISCOURSE FROM FREE WRITING THROUGH RESEARCH. 3 CREDITS.

**ENG 245 ADVANCED WRITING (w)** IS DESIGNED FOR THOSE STUDENTS WHO HAVE DEMONSTRATED THEIR COMPETENCE IN THE BASIC TECHNIQUES OF EXPOSITORY WRITING AND THE MECHANICS OF LANGUAGE. THE OBJECT OF THE COURSE IS TO DIRECT STUDENTS AWAY FROM STRUCTURED, RESEARCH COMPOSITION TO DRAWING CREATIVE MATERIAL FROM THEIR OWN MINDS AND EXPERIENCE. PREREQUISITE: ENG 104. 3 CREDITS.

**ENG 246 CREATIVE WRITING** INVOLVES THE THEORY OF BOTH THE SHORT STORY AND POETRY, WITH A STUDY OF SELECTED EXAMPLES OF THE GENRES. PRACTICE IN WRITING BOTH SHORT STORIES AND POETRY IS GIVEN. PREREQUISITE: ENG 104 OR ITS EQUIVALENT. FULFILLS CREATIVE ARTS REQUIREMENT IN THE ELECTIVE CORE. PREREQUISITE: ENG 104. 3 CREDITS.

**ENG 305 ADVANCED GRAMMAR AND USAGE** IS INTENDED FOR STUDENTS WHO ALREADY HAVE A SOLID BACKGROUND IN GRAMMAR AND WISH TO EXTEND THEIR KNOWLEDGE AND APPRECIATION OF GRAMMATICAL PRINCIPLES. IT IS REQUIRED OF ALL ENGLISH MAJORS. PREREQUISITE: ENG 104 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR. PREREQUISITE: ENG 104. 3 CREDITS.

**ENG 315 AMERICAN MULTICULTURAL LITERATURES** STUDENTS READ SELECTIONS OF CONTEMPORARY AMERICAN LITERATURE IN SEVERAL GENRES THAT DEMONSTRATE THE INTERPLAY AMONG WRITERS OF DIFFERENT BACKGROUNDS. 3 CREDITS.

**ENG 341 AMERICAN LITERATURE I (w)** SURVEYS THE ROMANTIC AND REALIST TRADITIONS OF AMERICAN LITERATURE AS THEY DEVELOP AND FORM THE BASIS FOR WHAT HAS BECOME THE MODERN ENTITY. REPRESENTATIVE WRITERS SUCH AS POE, HAWTHORNE, MELVILLE, CRANE AND SELECTED POETS SUCH AS WHITMAN AND DICKINSON ARE CONSIDERED FOR THEIR INFLUENCE ON THE DEVELOPMENT OF AMERICAN LITERATURE. PREREQUISITE: ENG 103. 3 CREDITS HOURS.

**ENG 342 AMERICAN LITERATURE II (w)** SURVEYS THE DEVELOPMENT OF AMERICAN LITERATURE FROM THE LATTER PART OF THE 19TH CENTURY TO THE PRESENT. REPRESENTATIVE WRITERS SUCH AS TWAIN, JAMES, FITZGERALD, FAULKNER, HEMINGWAY, UPDIKE, OATES, AND POETS SUCH AS FROST, STEVENS, POUND, ELIOT, ROETHKE, AND WILBUR WILL BE STUDIED. PREREQUISITE: ENG 103. 3 CREDITS.

**ENG 344 ENGLISH LITERATURE I** REVIEWS THE EARLY YEARS OF ENGLISH LITERARY HISTORY. THE COURSE BEGINS WITH BEOWULF AND SURVEYS FOUR MAJOR LITERARY PERIODS: THE MIDDLE AGES, THE SIXTEENTH CENTURY, THE SEVENTEENTH CENTURY, AND THE RESTORATION AND EIGHTEENTH CENTURY. MAJOR AUTHORS STUDIED INCLUDE CHAUCER, MILTON, MARLOWE, DONNE, AND POPE. PREREQUISITE: ENG 103. 3 CREDITS.

**ENG 345 ENGLISH LITERATURE II** SURVEYS THE CONTINUING DEVELOPMENT OF ENGLISH LITERATURE FROM BLAKE THROUGH THE ROMANTICS AND VICTORIANS TO THE MODERNS. PREREQUISITE: ENG 103. 3 CREDITS.

**ENG 347 WORLD LITERATURE I** IS A CHRONOLOGICAL SURVEY OF IMPORTANT AND INFLUENTIAL LITERARY TEXTS FROM VARIOUS WESTERN AND NON-WESTERN CULTURES AND CIVILIZATIONS FROM THE BEGINNINGS OF RECORDED WRITING THROUGH THE 17TH CENTURY. THIS COURSE DOES NOT DUPLICATE ANY OF THE READINGS FROM ENG 103, 341, 342, 344, 345, 348, OR 465. THIS COURSE MAY NOT BE SUBSTITUTED FOR ANY OF THESE OTHER LITERATURE COURSES. PREREQUISITE ENG 103. 3 CREDITS.

**ENG 348 WORLD LITERATURE II** CONTINUES THE CHRONOLOGICAL SURVEY BEGUN IN ENG 347. THE COURSE INCLUDES A WIDE VARIETY OF LITERARY STYLES, INCLUDING TEXTS FROM VARIOUS WESTERN AND NON-WESTERN CULTURES AND CIVILIZATIONS FROM THE 17TH CENTURY TO THE PRESENT. THIS COURSE DOES NOT DUPLICATE ANY OF THE READINGS FROM ENG 103, 341, 342, 344, 345, 347, OR 465. THIS COURSE MAY NOT BE SUBSTITUTED FOR ANY OF THESE OTHER LITERATURE COURSES. PREREQUISITE ENG 103. 3 CREDITS.

**ENG 350 CLASSICAL AND MODERN RHETORIC** PROVIDES AN OVERVIEW AND STUDY OF THE ART OF CLASSICAL RHETORIC, BEGINNING WITH THE ANCIENT GREEKS AND CULMINATING IN TWENTIETH CENTURY UNDERSTANDINGS AND APPLICATIONS. PREREQUISITES: ENG 104, 190, OR 245. 3 CREDITS.

**ENG 365 ENGLISH-ITS CULTURAL DEVELOPMENT** STUDIES THE HISTORY AND STRUCTURE OF THE ENGLISH LANGUAGE AND SEVERAL GRAMMATICAL SYSTEMS OF ENGLISH AND DIALECTOLOGY. IT SURVEYS THE DEVELOPMENT OF THE ENGLISH LANGUAGE FROM THE OLD ENGLISH PERIOD TO THE PRESENT AND PRESENTS AN INTRODUCTION TO LINGUISTICS. 3 CREDITS.

**ENG 386 SPECIAL TOPICS IN LITERATURE** FOCUSES ON REPEATED THEMES OR SPECIFIC STYLES THAT HAVE PROVEN IMPORTANT IN LITERATURE. THE COURSE MAY BE REPEATED AS THE SUBJECT VARIES. 3 CREDITS.

**ENG 465 SHAKESPEARE (w)** STUDY 10-12 REPRESENTATIVE PLAYS, INCLUDING HISTORIES, COMEDIES, AND TRAGEDIES. DEVELOP AN APPRECIATION OF SHAKESPEARE'S ART AND THOUGHT. CLOSE, CAREFUL READING WILL INCREASE THE STUDENT'S ANALYTICAL AND INTERPRETATIVE SKILLS. 3 CREDITS.

**ENG 475 LITERARY CRITICISM** CONSIDERS PREMISE AND METHODS OF CRITICISM. THE COURSE WILL SURVEY THE VARIOUS MODERN APPROACHES TO LITERATURE - FORMALIST, GENRE, ARCHETYPICAL, HISTORICAL - AND WILL PROVIDE EXERCISES IN PRACTICAL CRITICISM OF LITERARY WORK. JUNIOR STANDING. PREREQUISITE: ENG 103. 3 CREDITS.

**ENG 495 SENIOR SEMINAR** PROVIDES STUDENTS THE OPPORTUNITY TO BEGIN A RESEARCH PROJECT IN THE HUMANITIES. THE FIRST SEMESTER IS DESIGNED TO INTEGRATE THE HUMANITIES AND TO DEVELOP A CHRISTIAN PERSPECTIVE ON THE ARTS, CULMINATING IN THE DEVELOPMENT OF A RESEARCH TOPIC. 3 CREDITS.

## ENTREPRENEURSHIP

**ENTR 250 LEGAL LANDSCAPE OF ENTREPRENEURSHIP** THIS COURSE PROVIDES STUDENTS THE OPPORTUNITY TO LEARN AND UNDERSTAND THE LEGAL LANDSCAPE OF PROTECTING AND ADVANCING INNOVATION AND STARTUP VENTURES. IT COVERS AN ARRAY OF IMPORTANT ISSUES THAT EVERY EMERGING ENTREPRENEUR SHOULD KNOW. STUDENTS WILL LEARN WHICH CORPORATE OWNERSHIP STRUCTURE BEST SUITS THEIR NEEDS, HOW AND WHEN TO ENGAGE IN THE PATENT FILING PROCESS TO PROTECT INTELLECTUAL PROPERTY, FIDUCIARY RESPONSIBILITIES FOR STARTUP 3 CREDITS.

**ENTR 262 PLANNING NEW VENTURES (w)** STUDENTS INTERESTED IN STARTING THEIR OWN BUSINESS OR NON-PROFIT ENTERPRISE LEARN HOW TO WRITE AND PRESENT A BUSINESS PLAN, INCLUDING MARKET ANALYSIS, FINANCIAL PROJECTIONS, AND OPERATING PLAN. THIS COURSE IS OPEN TO ALL CONCORDIA UNIVERSITY STUDENTS. 3 CREDITS.

**ENTR 290 SOCIAL ENTREPRENEURSHIP** STUDENTS HAVE THE OPPORTUNITY WITHIN A CHRISTIAN CONTEXT TO IDENTIFY AND ADDRESS SOCIAL AND GLOBAL CHALLENGES. THEY WILL APPLY INNOVATION, CREATIVITY, CRITICAL THINKING AND RISK-TAKING TO SOLVE VARIOUS CHALLENGES FROM AN ENTREPRENEURIAL PERSPECTIVE. BUSINESS SKILLS SUCH AS PLANNING, OPPORTUNITY ANALYSIS, FINANCIAL MANAGEMENT AND FORECASTING AND RESOURCEFULNESS ARE CRITICAL ELEMENTS OF THIS COURSE. 3 CREDITS.

**ENTR 390 ENTREPRENEURSHIP PRACTICUM** THIS PRACTICUM COURSE IS AN ACTION-BASED LEARNING MODULE WHERE STUDENTS OF ALL DISCIPLINES COLLABORATE TO WORK ON ENTREPRENEURIAL ENDEAVORS. WHETHER WORKING TO LAUNCH THEIR OWN STARTUP VENTURES OR ASSISTING EXISTING STARTUPS REACH INTO NEW AND EMERGING MARKETS, THIS COURSE SEEKS TO EMPOWER STUDENTS TO INNOVATE, PROBLEM-SOLVE AND ADAPT AS THEY NAVIGATE THE STARTUP LANDSCAPE. ENTREPRENEURSHIP IS BOTH A MINDSET AND A PROCESS. THIS COURSE WILL CULTIVATE, INSPIRE AND DRAW OUT CREATIVE AND INNOVATIVE STUDENT SKILLS. STUDENTS TAKE A HOLISTIC APPROACH TO PROBLEM SOLVING, IMMERSING THEM IN THEIR TARGET MARKET AND CAN WORK INDIVIDUALLY OR IN A TEAM TO FORMULATE AND ADVANCE THEIR IDEA. GRADES WILL NOT BE DETERMINED BY WHETHER OR NOT A STUDENT LAUNCHES A STARTUP, BUT BY THE LEARNING, PROBLEM SOLVING AND COLLABORATION THAT TAKES PLACE. 3 CREDITS.

## EXERCISE SCIENCE

**EXS 442 EXERCISE PRESCRIPTION & TESTING** FOCUSES ON THE THEORETICAL AND APPLIED KNOWLEDGE REQUIRED TO CONDUCT SAFE AND EFFECTIVE GRADED EXERCISE TESTS AND FITNESS EVALUATIONS FOR HEALTHY AND AT RISK POPULATIONS. STUDENTS WILL BE EXPECTED TO DESIGN EFFECTIVE EXERCISE PROGRAMS BASED ON THE EVALUATIVE TESTS. CLINICAL EXERCISE PHYSIOLOGY INCLUDING BASIC ELECTROCARDIOGRAPHY, CARDIOVASCULAR MEDICATIONS, AND CLIENT/PATIENT RISK STRATIFICATION IS INCLUDED IN THE COURSE. 4 CREDITS.

**EXS 480 PROGRAM DESIGN & APPLICATION** INVOLVES THE EXAMINATION OF VARIOUS ANATOMICAL AND PHYSIOLOGICAL ASPECTS ASSOCIATED WITH STRENGTH AND CONDITIONING TO AID THE STUDENT IN THE PLANNING, IMPLEMENTATION, AND ASSESSMENT OF EFFECTIVE STRATEGIES FOR RESISTANCE TRAINING IN ACADEMIC, ATHLETIC, FITNESS SETTINGS. 3 CREDITS.

**EXS 494 EXERCISE MGMT FOR SPECIAL POPULATIONS** REQUIRES STUDENTS TO SELECT RESEARCH ARTICLES FROM CURRENT TOPICS IN EXERCISE PHYSIOLOGY. STUDENTS WILL ANALYZE, EVALUATE AND DISCUSS THE METHODOLOGY OF THE SELECTED RESEARCH TOPICS. IN ADDITION, THE IMPORTANCE OF THE INSTITUTIONAL REVIEW BOARD IN CONDUCTING RESEARCH WILL BE COVERED AS A PREPARATION FOR HHP 495 SENIOR SEMINAR'S RESEARCH PROJECT. 3 CREDITS.

**EXS 495 SEMINAR: CURRENT ISSUES IN EX. SCIENCE** A CULMINATING EXPERIENCE IN WHICH THE STUDENT USES THE SKILLS AND KNOWLEDGE ACQUIRED IN HER OR HIS PREVIOUS PREPARATION IN THE EXECUTION OF AN ORIGINAL (TO THE STUDENT) PROJECT DEALING WITH AN ISSUE, QUESTION OR PROBLEM OF IMPORTANCE IN THE NATURAL SCIENCES OR MATHEMATICS. RESULTS OF THE PROJECT ARE COMMUNICATED IN AN ORAL PUBLIC PRESENTATION AND A WRITTEN PAPER. 3 CREDITS.

## FAMILY LIFE EDUCATION

**FAM 311 FAMILY DYNAMICS & RESOURCE MANAGEMENT (w)** THIS COURSE WILL PROVIDE STUDENTS WITH AN AWARENESS OF BASIC FAMILY THEORIES AS TOOLS FOR UNDERSTANDING FAMILY STRENGTHS AND WEAKNESSES. THE STUDENT WILL LEARN ABOUT THE IDENTIFICATION AND MANAGEMENT OF FAMILY RESOURCES; THE IMPACT OF DECISION MAKING ON A FAMILY'S QUALITY OF LIFE; AND HOW FAMILIES MAKE DECISIONS REGARDING THE DEVELOPMENT AND ALLOCATION OF RESOURCES. THIS COURSE WILL EXPLORE THE BIBLICAL CONCEPT OF STEWARDSHIP. 3 CREDITS.

**FAM 321 PARENT EDUCATION & GUIDANCE (w)** THE PURPOSE OF THIS COURSE IS TO PROVIDE STUDENTS WITH AN UNDERSTANDING OF THE GENERAL PHILOSOPHY AND BROAD PRINCIPLES OF FAMILY LIFE EDUCATION IN CONJUNCTION WITH THE ABILITY TO PLAN, IMPLEMENT, AND EVALUATE SUCH EDUCATIONAL PROGRAMS. 3 CREDITS.

**FAM 331 OBSERVATION OF INFANT & TODDLER DEVELOPMENT** DESIGNED TO PROVIDE AN IN DEPTH STUDY OF CHILDREN FROM CONCEPTION THROUGH AGE 30 MONTHS USING OBSERVATIONAL AND OBJECTIVE DOCUMENTATION SKILLS. 3 CREDITS.

**FAM 332 OBSERVATION OF PRESCHOOL DEVELOPMENT** DESIGNED TO PROVIDE AN IN DEPTH STUDY OF CHILDREN AGED 30-60 MONTHS USING OBSERVATIONAL AND OBJECTIVE DOCUMENTATION SKILLS. 3 CREDITS.

**FAM 333 THE HOSPITALIZED CHILD** PROVIDES FUNDAMENTAL SKILL IN HELPING CHILDREN AND FAMILIES COPE WITH THE STRESS OF A HEALTH CARE EXPERIENCE THROUGH THE ROLE OF THE CHILD LIFE SPECIALIST AS A MEMBER OF THE HEALTH CARE TEAM. 3 CREDITS.

**FAM 334 THERAPEUTIC INTERVENTIONS** PROVIDES AN INTRODUCTION TO THEORY AND PRACTICE IN HELPING CHILDREN THROUGH PLAY, COPING AND COMFORT TECHNIQUES, AS WELL AS ACTIVITY PLANNING AND ADAPTING ACTIVITIES TO THE HOSPITAL ENVIRONMENT THROUGH THE ROLE OF THE CHILD LIFE SPECIALIST AS A MEMBER OF THE HEALTH CARE TEAM. 3 CREDITS.

**FAM 335 CHILD LIFE SPECIALIST SEMINAR** PROVIDES SKILLS FOR NURTURING ONESELF WHILE PROVIDING EFFECTIVE PROFESSIONAL CARE TO OTHERS. 2 CREDITS.

**FAM 340 ADMINISTRATIVE SKILLS FOR HUMAN SERVICES ORG** AN OVERVIEW OF HUMAN SERVICE ORGANIZATIONS AND SOCIAL WELFARE POLICY, WITH BEGINNING PRACTICE SKILLS IN LEADERSHIP, ETHICS, SUPERVISION, FUNDING, AND COLLABORATION. 3 CREDITS.

**FAM 341 CULTURAL & SOCIAL DIVERSITY IN AMERICA** THIS COURSE WILL EXAMINE RACIAL, ETHNIC, RELIGIOUS, SOCIAL ECONOMIC STATUS, GENDER DIVERSITY IN THE UNITED STATES AND BUILD SKILLS IN WORKING WITH PEOPLE FROM THESE DIVERSE AREAS THROUGH AN UNDERSTANDING OF CULTURE, PSYCHOLOGY, COMMUNICATION, PREJUDICE, DISCRIMINATION, STEREOTYPING. 3 CREDITS.

**FAM 342 CHANGE: THEORY & PRACTICE** THIS COURSE WILL EXAMINE THEORIES OF CHANGE AS THEY RELATE TO INDIVIDUALS, GROUPS, COMMUNITIES AND ORGANIZATIONS AT MICRO AND MACRO LEVELS. ENTRY LEVEL SKILLS WILL BE PROMOTED IN PROVIDING ASSESSMENT, GROUP THERAPY, INTERVENTION AND ADVOCACY FOR CHANGE AT ALL LEVELS. 3 CREDITS.

**FAM 343 SPECIAL TOPICS IN SOCIAL SERVICES** THIS COURSE EXPLORES THE AREAS OF TREATING SUBSTANCE ABUSE, MENTAL HEALTH AS WELL AS UNDERSTANDING AND INTERVENING IN INTERPERSONAL VIOLENCE ISSUES. 3 CREDITS.

**FAM 344 PRACTICE SKILLS SEMINAR** AN OVERVIEW OF SKILLS IN ENGAGING, ASSESSING, CONTRACTING, WORKING, EVALUATING AND ENDING THE PROFESSIONAL HELPING RELATIONSHIP WHILE MAINTAINING APPROPRIATE PROFESSIONAL BOUNDARIES AND INDIVIDUAL COPING SKILLS DELIVERED THROUGH FIELDTRIPS WITH GUEST SPEAKERS TO VARIOUS TYPES OF AGENCIES. 1 CREDIT.

**FAM 390 FAMILY LIFE FIELDWORK** STUDENTS WILL SPEND 120 HOURS IN A SUPERVISED VOLUNTEER POSITION AT A LOCAL NON-PROFIT AGENCY THAT PROVIDES SUPPORT FOR FAMILIES. PREREQUISITES: PSY 211, PSY 212, SOC 345, AND FACULTY PERMISSION. 3 CREDITS.

**FAM 391 FIELD WORK IN THE HOSPITAL** STUDENTS WILL SPEND 120 HOURS IN A SUPERVISED VOLUNTEER POSITION AT A HOSPITAL SERVING CHILDREN WITH A CERTIFIED CHILD LIFE SPECIALIST MENTOR. PREREQUISITES: PSY 211, PSY 212, SOC 345, AND FACULTY PERMISSION. 3 CREDITS.

**FAM 392 FIELD WORK IN THE COMMUNITY** STUDENTS WILL SPEND 120 HOURS IN A SUPERVISED VOLUNTEER POSITION AT A LOCAL NON-PROFIT AGENCY THAT PROVIDES SUPPORT FOR FAMILIES. PREREQUISITES: PSY 211, PSY 212, SOC 345, AND FACULTY PERMISSION. 3 CREDITS.

**FAM 393 FIELD WORK IN CHILDREN'S & FAMILY MINISTRY** STUDENTS WILL SPEND 120 HOURS IN A SUPERVISED VOLUNTEER POSITION IN A CHURCH OR MINISTRY SETTING WITH A PRIMARY FOCUS OF SERVING CHILDREN AND THEIR FAMILIES. STUDENTS ARE SUPERVISED BY A MEMBER OF A PROFESSIONAL MINISTRY STAFF. PREREQUISITES: PSY 211, PSY 212, SOC 345, AND FACULTY PERMISSION. 3 CREDITS.

**FAM 394 FIELD WORK IN YOUTH & FAMILY MINISTRY** STUDENTS WILL SPEND 120 HOURS IN A SUPERVISED VOLUNTEER POSITION IN A CHURCH OR MINISTRY SETTING WITH A FOCUS OF SERVING MIDDLE-SCHOOL, HIGH SCHOOL, COLLEGE AGED STUDENTS AND THEIR FAMILIES. STUDENTS ARE SUPERVISED BY A MEMBER OF A PROFESSIONAL MINISTRY STAFF. PREREQUISITES: PSY 211, PSY 212, SOC 345, AND FACULTY PERMISSION. 3 CREDITS.

**FAM 411 FAMILY LAW & PUBLIC POLICY** FAMILY LAW AND PUBLIC POLICY PROVIDES AN UNDERSTANDING OF THE LEGAL DEFINITION OF THE FAMILY AND EXAMINES THE LAWS WHICH AFFECT THE STATUS OF THE FAMILY. HISTORICAL DEVELOPMENT OF LAWS RELATING TO MARRIAGE, DIVORCE, FAMILY SUPPORT, CHILD CUSTODY, CHILD PROTECTION AND RIGHTS, AND FAMILY PLANNING WILL BE EXAMINED. 3 CREDITS.

**FAM 421 FAMILY LIFE METHODOLOGY** THIS COURSE ENABLES STUDENTS TO DEVELOP KNOWLEDGE OF THE SCOPE, TRENDS, AND CURRENT ISSUES IN FAMILY LIFE EDUCATION METHODOLOGY, AS WELL AS THE OPPORTUNITY TO DEMONSTRATE THE USE OF METHODS AND MATERIALS.. 3 CREDITS.

**FAM 422 LEADERSHIP FOR CHILDREN'S MINISTRY** THIS COURSE WILL PREPARE THE STUDENT TO LIVE OUT GOD'S CALL FOR LEADERSHIP IN THE AREA OF CHILDREN'S MINISTRY WITHIN THE CONTEXT OF THE LOCAL CHURCH. THIS CLASS WILL ADDRESS THE PHILOSOPHICAL FOUNDATIONS OF LEADERSHIP FOR THOSE SERVING IN THIS ROLE AND HOW THEY RELATE AS LEADERS TO PASTORS, FELLOW STAFF, CHURCH BOARDS, PARENTS, VOLUNTEERS AND CHILDREN WITH INTEGRITY, RESPECT AND WISDOM. 3 CREDITS.

**FAM 423 PRACTICAL SKILLS IN CHILDREN'S MINISTRY** THE PURPOSE OF THIS COURSE IS TO GIVE STUDENTS HANDS-ON EXPERIENCES THAT DEAL WITH A VARIETY OF CHILDREN'S ISSUES SUCH AS DEVELOPING CREATIVE MESSAGES, LEADING MUSIC, BUILDING RELATIONSHIPS, DISCIPLINE, CRISES AND HELPING CHILDREN LIVE OUT THEIR FAITH. 3 CREDITS.

**FAM 424 DESIGN CHILDREN'S MINISTRY CHURCH/HOME** THIS COURSE WILL HELP THE STUDENT DEVELOP A PERSONAL FOUNDATION FOR THE CHILDREN'S MINISTRY BY HELPING THEM CLARIFY THEIR PHILOSOPHICAL VIEW, DEFINE THEIR PURPOSE AND ARTICULATE THEIR VISION FOR CHILDREN'S MINISTRY. THE STUDENT WILL EXPLORE THE IMPACT OF THE HOME, CHURCH AND COMMUNITY ON THE FAITH OF THE CHILD AS WELL AS EXPLORE PROGRAMMING AND HOW TO ASSESS ITS VALUE AS THEY SEE IT THROUGH THEIR PHILOSOPHICAL VIEW. 3 CREDITS.

**FAM 425 CHILDREN'S MINISTRY ADMINISTRATION** THIS COURSE WILL PREPARE THE STUDENTS TO EFFECTIVELY MANAGE THE MYRIADS OF DETAILS IN LEADING A CHILDREN'S MINISTRY SUCH AS VOLUNTEER MANAGEMENT; CREATING POLICIES, PROCEDURES AND JOB DESCRIPTIONS; CALENDARIZING AROUND THE CHURCH YEAR; LEADING A MEETING; BUDGETING; CREATING PUBLICITY; AND MAINTAINING AND CREATING A SAFE ENVIRONMENT FOR THE CHILDREN. 3 CREDITS.

**FAM 426 CHILDREN'S MINISTRY SEMINAR** STUDENTS EXPLORE PERSONAL ISSUES IN MINISTRY, ESPECIALLY THOSE THAT ARE SPECIFIC TO MINISTRY WITH CHILDREN AND THEIR FAMILIES IN THE CHURCH OR ANOTHER MINISTRY SETTING.. STUDENTS EXAMINE A PERSONAL DEVOTIONAL LIFE, EXPLORE TIME MANAGEMENT, AND UNDERSTAND THE IMPORTANCE OF A CONGREGATION'S UNIQUE HISTORY AND CULTURE. STUDENTS WILL ALSO, LEARN THE DYNAMICS OF TEAM MINISTRY, NAVIGATING CONGREGATIONAL CONFLICT, AND THE IMPORTANCE OF PROFESSIONAL GROWTH AND FAMILY SUPPORT. PREREQUISITES: SENIOR STATUS AND FAM 393. 2 CREDITS.

**FAM 430 FOUNDATIONS OF YOUTH MINISTRY** EXPLORES BIBLICAL FOUNDATIONS FOR YOUTH MINISTRY. IT WILL HELP STUDENTS EXPERIENCE SEVERAL YOUTH MINISTRY PHILOSOPHIES AND CHALLENGE THEM TO FORM THEIR OWN DEFINITION AND PHILOSOPHY. THE STUDENT WILL ALSO DEFINE THE ROLE OF THE HOME AND PARENTS YOUTH MINISTRY PROGRAMMING AND APPLY INTERGENERATIONAL PROGRAMMING DESIGN. 3 CREDITS.

**FAM 431 YOUTH CULTURE** STUDENTS EXPLORE THE YOUTH CULTURE IN AMERICA, WAYS TO HELP TEENS IN CRISIS, WAYS TO STAY CURRENT ON YOUTH CULTURE ISSUES, AND LEARNING THE IMPORTANCE OF BUILDING RELATIONSHIPS WITH TEENS AND PARENTS. STUDENTS WILL ALSO EXPLORE STRATEGIES TO REACH OUT AND MINISTER TO YOUTH IN THE COMMUNITY, APPLY THEOLOGY TO CONTEMPORARY ISSUES, AND TO SET UP POLICY TO PROTECT TEENS AND ADULTS FROM MISCONDUCT OR FALSE ACCUSATION. PREREQUISITE: SOPHOMORE STANDING. 3 CREDITS.

**FAM 432 YOUTH MINISTRY ADMINISTRATION** STUDENTS EXPLORE YOUTH MINISTRY ADMINISTRATION AS IT APPLIES TO THE LOCAL CONGREGATION. STUDENTS LEARN TO DEVELOP SHORT AND LONG TERM PLANNING SKILLS, RECRUIT AND TRAIN VOLUNTEERS, AND MANAGE YOUTH BUDGETS. THE COURSE WILL ALSO EXPLORE CHANGE, LEADERSHIP SKILLS, AND PROFESSIONAL LIABILITY ISSUES. 3 CREDITS.

**FAM 433 YOUTH MINISTRY SEMINAR** STUDENTS EXPLORE PERSONAL ISSUES IN MINISTRY, ESPECIALLY THOSE THAT ARE SPECIFIC TO MINISTRY WITH YOUNG PEOPLE AND THEIR PARENTS IN THE CHURCH OR OTHER MINISTRY SETTING. STUDENTS EXAMINE A PERSONAL DEVOTIONAL LIFE, EXPLORE TIME MANAGEMENT, AND UNDERSTAND THE IMPORTANCE OF A CONGREGATION'S UNIQUE HISTORY AND CULTURE. STUDENTS WILL ALSO, LEARN THE DYNAMICS OF TEAM MINISTRY, NAVIGATING CONGREGATIONAL CONFLICT, AND THE IMPORTANCE OF PROFESSIONAL GROWTH AND FAMILY SUPPORT. PREREQUISITES: SENIOR STATUS AND FAM 394. 2 CREDITS.

**FAM 434 YOUTH MINISTRY SKILLS** STUDENTS EXPLORE BASIC SKILLS IN YOUTH MINISTRY. STUDENTS LOOK AT WAYS TO IDENTIFY, PLAN, IMPLEMENT, MAINTAIN, AND LEAD A BALANCED YOUTH MINISTRY PROGRAM TO TEENS AND THEIR HOMES THROUGH FELLOWSHIP, OUTREACH, SMALL GROUPS, MISSION SERVANT TRIPS, FUND RAISING, RETREATS, AND MORE. STUDENTS LEARN HOW TO SPEAK EFFECTIVELY TO YOUTH, LEAD YOUTH BIBLE STUDIES, LEAD RETREATS, EVALUATE YOUTH RESOURCES, ASSESS SPIRITUAL GIFTS OF YOUTH, AND ENGAGE THEIR GIFTS IN CHRISTIAN SERVICE. 3 CREDITS.

**FAM 490A/B/C FIELDWORK II A/B/C** THE CAPSTONE FAMILY LIFE EXPERIENCE IS IN THE FOURTH YEAR AND IS CALLED INTERNSHIP. STUDENTS USE LEARNED ACADEMIC INFORMATION AND FIELD EXPERIENCES TO SERVE IN THEIR AREA OF INTEREST UNDER THE MENTORSHIP OF AN EXPERIENCED PROFESSIONAL.

**FAM 491 INTERNSHIP IN CHILD LIFE** THE CAPSTONE FAMILY LIFE EXPERIENCE FOR A CHILD LIFE MINOR IS IN THE FOURTH YEAR AND IS A FULL-TIME INTERNSHIP. STUDENTS USE LEARNED ACADEMIC INFORMATION AND FIELD EXPERIENCES TO SERVE IN A HOSPITAL OR OTHER MEDICAL SETTING WITH CHILDREN FOR A MINIMUM OF 480 HOURS DURING ONE SEMESTER UNDER THE SUPERVISION/MENTORSHIP OF A CERTIFIED CHILD LIFE SPECIALIST. PREREQUISITES: FAM 390, FAM 391 AND FACULTY PERMISSION. 12 CREDITS.

**FAM 492 INTERNSHIP IN COMMUNITY SERVICES** THE CAPSTONE FAMILY LIFE EXPERIENCE FOR A COMMUNITY SERVICES MINOR IS IN THE FOURTH YEAR AND IS A FULL-TIME INTERNSHIP. STUDENTS USE LEARNED ACADEMIC INFORMATION AND FIELD EXPERIENCES TO SERVE IN A COMMUNITY SERVICES AGENCY FOR A MINIMUM OF 480 HOURS DURING ONE SEMESTER UNDER THE SUPERVISION/MENTORSHIP OF AN EXPERIENCED PROFESSIONAL. PREREQUISITES: FAM390, FAM392 AND FACULTY PERMISSION. 12 CREDITS.

**FAM 493 INTERNSHIP IN CHILDREN'S & FAMILY MINISTRY** THE CAPSTONE FAMILY LIFE EXPERIENCE FOR A CHILDREN'S MINISTRY MINOR IS USUALLY DURING THE FOURTH YEAR AND IS A FULL-TIME INTERNSHIP. STUDENTS USE LEARNED ACADEMIC INFORMATION AND FIELD EXPERIENCES TO SERVE IN A CONGREGATIONAL OR MINISTRY SETTING THAT SERVICES CHILDREN AND FAMILIES FOR A MINIMUM OF SIX MONTHS. THESE EXPERIENCES USUALLY OCCUR OVER THE COURSE OF THE FALL OR SPRING SEMESTER AND BEYOND TO FULFILL THE SIX MONTH REQUIREMENT. ON-SITE SUPERVISION/MENTORSHIP OF THE STUDENT IS DONE BY AN EXPERIENCED MINISTRY PROFESSIONAL.. PREREQUISITES: FAM 390, FAM 393 AND FACULTY PERMISSION. 12 CREDITS.

**FAM 494 INTERNSHIP IN YOUTH & FAMILY MINISTRY** THE CAPSTONE FAMILY LIFE EXPERIENCE FOR A YOUTH MINISTRY MINOR IS USUALLY DURING THE FOURTH YEAR AND IS A FULL-TIME INTERNSHIP. STUDENTS USE LEARNED ACADEMIC INFORMATION AND FIELD EXPERIENCES TO SERVE IN A CONGREGATIONAL OR MINISTRY SETTING THAT SERVES TEEN-AGE YOUTH AND FAMILIES FOR A MINIMUM OF SIX MONTHS. THESE EXPERIENCES USUALLY OCCUR OVER THE COURSE OF THE FALL OR SPRING SEMESTER AND BEYOND TO FULFILL THE SIX MONTH REQUIREMENT. ON-SITE SUPERVISION/MENTORSHIP OF THE STUDENT IS DONE BY AN EXPERIENCED MINISTRY PROFESSIONAL.. PREREQUISITES: FAM 390, FAM 394 AND FACULTY PERMISSION. 12 CREDITS.

## FINANCE

**FIN 200 PERSONAL FINANCE** IS A VALUABLE SURVEY COURSE WHICH EXPLORES AREAS OF FINANCE WHICH HAVE A DIRECT IMPACT ON THE INDIVIDUAL'S LIFESTYLE. COURSE TOPICS ARE TREATED IN A NON-TECHNICAL MANNER. THESE TOPICS INCLUDE PERSONAL BUDGETING, FINANCIAL PLANNING, CASH MANAGEMENT, CREDIT AND LOANS, HOME BUYING, INSURANCE, CONSUMER INFORMATION, INVESTING, TAX PLANNING, RETIREMENT PLANNING, AND ESTATE PLANNING. 3 CREDITS.

**FIN 300 PRINCIPLES OF FINANCE** PROVIDES AN INTRODUCTION TO THE BASIC FUNCTIONS OF FINANCIAL PLANNING, WORKING CAPITAL MANAGEMENT, FINANCIAL MARKETS, FINANCIAL INSTITUTIONS, INVESTMENT RETURNS, CAPITAL BUDGETING METHODS, ASSET VALUATION, LEVERAGE, TIME VALUE OF MONEY, AND CAPITAL STRUCTURE. PREREQUISITE: ACCT201. 3 CREDITS.

**FIN 310 BASIC INVESTING** EXAMINES INVESTORS' ACTIVITIES AND DECISION RULES IN THE SELECTION AND MANAGEMENT OF FINANCIAL ASSETS. THE FOCUS OF THE COURSE IS FINANCIAL INSTRUMENTS SUCH AS STOCKS, BONDS, MUTUAL FUNDS, AND DERIVATIVES, AS WELL AS THE MARKETS IN WHICH THEY ARE TRADED. THE COURSE WILL ALSO EMPHASIZE THE ANALYTICAL APPROACH TO INVESTMENT DECISION MAKING. PREREQUISITE: FIN 300. 3 CREDITS.

**FIN 315 PRINCIPLES OF INSURANCE** SURVEYS METHODS OF DEALING WITH RISK, INCLUDING RISK RETENTION, PREVENTION, AND TRANSFER. INSURANCE IS A MAJOR MEANS OF RISK TRANSFER. VARIOUS KINDS OF INSURANCE, SUCH AS LIABILITY, PROPERTY, LIFE, HEALTH AND SOCIAL INSURANCE ARE EXAMINED. PREREQUISITE: FIN 300. 3 CREDITS.

**FIN 320 MONEY AND BANKING** IS A FUNCTIONAL ANALYSIS OF FINANCIAL INSTITUTIONS WITH EMPHASIS ON COMMERCIAL BANKING. IT INCLUDES A REVIEW OF THE NATURE, HISTORY, AND FUNCTIONS OF MONEY-CREATING DEPOSITORY INSTITUTIONS. IT ALSO INCLUDES AN EXAMINATION OF THE ROLE OF CENTRAL BANKS AND THE IMPLICATIONS OF MONETARY AND FISCAL POLICY FOR ECONOMIC GROWTH, INFLATION, EMPLOYMENT, TRADE AND EXCHANGE RATES. PREREQUISITES: ECON 222, ECON 231, AND FIN 300. 3 CREDITS.

**FIN 321 FINANCIAL MATHEMATICS FOR ACTUARIES** IS DESIGNED TO PREPARE STUDENTS FOR THE SOCIETY OF ACTUARIES EXAM FM (FINANCIAL MATHEMATICS). TOPICS INCLUDE TIME VALUE OF MONEY, ANNUITIES WITH PAYMENTS THAT ARE NOT CONTINGENT, LOANS, BONDS, GENERAL CASH FLOWS AND PORTFOLIOS, IMMUNIZATION, GENERAL DERIVATIVES, OPTIONS, HEDGING AND INVESTMENT STRATEGIES, FORWARDS AND FUTURES, AND SWAPS. PREREQUISITES: FIN 300, FIN 310, AND MATH 202. 3 CREDITS.

**FIN 340 CORPORATE FINANCE** IS THE SECOND UNDERGRADUATE COURSE IN CORPORATE FINANCE. THE PRIMARY GOAL OF THIS COURSE IS TO IMPART THE KNOWLEDGE TO ALLOW YOU TO INTELLIGENTLY SOLVE PRACTICAL BUSINESS PROBLEMS. TO ACHIEVE THIS GOAL, IT IS ESSENTIAL THAT YOU HAVE A SOUND UNDERSTANDING OF FINANCIAL THEORY. AS SUCH, THE COURSE WILL BE THEORETICAL IN NATURE, OFTEN REQUIRING RIGOROUS QUANTITATIVE ANALYSIS. TOPICS THAT WILL BE COVERED INCLUDE COMPLEX TIME VALUE OF MONEY PROBLEMS, SECURITY VALUATION, RISK AND RETURN, CAPITAL BUDGETING TECHNIQUES, THE TERM STRUCTURE OF INTEREST RATES, THE CAPITAL ASSET PRICING MODEL, DIVIDEND POLICY, AND STOCK REPURCHASES. PREREQUISITE: FIN 300. 3 CREDITS.

**FIN 430 INTERNATIONAL FINANCE** EXAMINES THE ROLE OF INTERNATIONAL FINANCIAL MANAGEMENT WITH EMPHASIS ON MULTINATIONAL CORPORATIONS. IT DISCUSSES TOPICS SUCH AS THE FOREIGN EXCHANGE MARKET AND DETERMINATION OF EXCHANGE RATES, THE EXCHANGE RISK EXPOSURE AS IT IMPACTS MANAGEMENT'S DECISIONS, THE MULTINATIONAL CORPORATION (MNC) AND FOREIGN DIRECT INVESTMENT (FDI), THE RATIONALITY OF FDI FLOWS, THE MANAGEMENT OF FOREIGN OPERATIONS, AND THE DETERMINANTS OF INTERNATIONAL FLOWS OF GOODS AND FUNDS. PREREQUISITES: ECON 222, ECON 231, AND FIN 300. 3 CREDITS.

## GEOGRAPHY

**GEOG 220 CULTURAL GEOGRAPHY** STUDENTS USE NATURAL ENVIRONMENT CONCEPTS TO HELP EXPLAIN THE SPATIAL DISTRIBUTION OF HUMAN ACTIVITIES. FULFILLS THE CULTURE CORE REQUIREMENT. 3 CREDITS.

**GEOG 356 GLOBAL ENVIRONMENTAL ISSUES** IS A STUDY OF CURRENT CONCERNS, PROBLEMS, AND PROGRESS IN ADDRESSING GLOBAL ENVIRONMENTAL ISSUES. EXAMPLES FROM DIFFERENT COUNTRIES AND CULTURES WILL BE STUDIED TO ILLUSTRATE THESE CONCERNS AND BUILD A GLOBAL PERSPECTIVE ON ENVIRONMENTAL ISSUES. LAB COMPONENT COURSE, CROSSLISTED WITH BIO156. 4 CREDITS.

## GERMAN

**GER 101 BEGINNING GERMAN I** IS FOR STUDENTS WHO HAVE HAD NO PREVIOUS FORMAL COURSE WORK IN GERMAN. STUDENTS WILL BEGIN TO DEVELOP LISTENING, SPEAKING, READING AND WRITING SKILLS IN THE GERMAN LANGUAGE. 4 CREDITS.

**GER 102 BEGINNING GERMAN II** IS A CONTINUATION OF GER 101 AND WILL DEVELOP THOSE ABILITIES IN LISTENING, SPEAKING, READING AND WRITING BEGUN IN GER 101. PREREQUISITE: GER 101. 4 CREDITS.

## GREEK

**GRK 201 GREEK I** STUDENTS LEARN THE MORPHOLOGY, SYNTAX, AND VOCABULARY OF ANCIENT GREEK AND ACHIEVE AN INITIAL LEVEL OF SKILL IN READING AND WRITING BASIC SENTENCES. PREREQUISITE: PREVIOUS HIGH SCHOOL OR COLLEGE FOREIGN LANGUAGE STUDY. 3 CREDITS.

**GRK 202 GREEK II** CONTINUATION OF GRE201. STUDENTS LEARN THE MORPHOLOGY, SYNTAX, AND VOCABULARY OF ANCIENT GREEK AND ACHIEVE INCREASING COMPETENCE IN THE SKILLS IN READING AND WRITING PASSAGES. PREREQUISITE: GRK 201. COURSE IS DESIGNED TO BE TAKEN DURING THE FIRST HALF OF THE SEMESTER, THE STUDENT THEN ENROLLS IN GRK 303 FOR THE SECOND HALF OF THE SEMESTER. 3 CREDITS.

**GRK 303 GREEK III** COMPLETES THE PRESENTATION OF ELEMENTS OF VOCABULARY, MORPHOLOGY, AND SYNTAX WITH A READING OF SIMPLE GREEK PROSE. STUDENTS WILL LEARN TO RECOGNIZE GREEK VOCABULARY, TO DISTINGUISH BETWEEN THE VARIOUS PARTS OF SPEECH, TO ANALYZE GREEK MORPHOLOGY, AND TO APPLY RULES OF SYNTAX IN ORDER TO CREATE TRANSLATIONS OF ELEMENTARY GREEK TEXTS THAT REPRESENT A SYNTHESIS OF GREEK VOCABULARY, MORPHOLOGY, AND SYNTAX. PREREQUISITE: GRK 202. COURSE IS DESIGNED TO BE TAKEN DURING THE SECOND HALF OF THE SEMESTER, THE STUDENT SHOULD HAVE PREVIOUSLY COMPLETED GRK 202 IN THE FIRST HALF OF THE SEMESTER. 3 CREDITS.

**GRK 304 GREEK IV** CONSISTS PRIMARILY OF INTERMEDIATE NARRATIVE READINGS. THESE READINGS MAY COME FROM ANY COMBINATION OF THE GOSPELS, THE LXX, OR THE CHURCH FATHERS. STUDENTS WILL INCREASE THEIR KNOWLEDGE OF GREEK VOCABULARY AND FURTHER DEVELOP THEIR UNDERSTANDING OF GREEK SYNTAX. THEY WILL STUDY THE CULTURE AND GENRE IN WHICH THE ASSIGNED TEXTS WERE WRITTEN WHILE ALSO LEARNING ABOUT THE TRANSMISSION OF THE TEXT OF THE GREEK NEW TESTAMENT. PREREQUISITE: GRK 303. 3 CREDITS.

**GRK 403 GREEK V** WILL CONSIST PRIMARILY OF INTERMEDIATE EPISTOLARY READINGS FROM THE NEW TESTAMENT OR OTHER GREEK EPISTOLARY LITERATURE. STUDENTS WILL INCREASE THEIR KNOWLEDGE OF GREEK VOCABULARY AND FURTHER DEVELOP THEIR UNDERSTANDING OF GREEK SYNTAX. THEY WILL STUDY THE CULTURE AND GENRE IN WHICH THE ASSIGNED TEXTS WERE WRITTEN WHILE ALSO LEARNING ABOUT THE TEXTUAL APPARATUS USED IN CRITICAL EDITIONS OF THE GREEK NEW TESTAMENT. FINALLY, THEY WILL PRODUCE AN EXEGETICAL ANALYSIS. PREREQUISITE: GRK 304. 3 CREDITS.

**GRK 404 GREEK VI** CONSISTS OF ADVANCED READINGS FROM THE NEW TESTAMENT OR OTHER GREEK LITERATURE. STUDENTS WILL INCREASE THEIR KNOWLEDGE OF GREEK VOCABULARY AND FURTHER DEVELOP THEIR UNDERSTANDING OF GREEK SYNTAX. THEY WILL STUDY THE CULTURE AND GENRE IN WHICH THE ASSIGNED TEXTS WERE WRITTEN WHILE ALSO RESEARCHING AND WRITING ON ASPECTS OF THE GREEK LANGUAGE. FINALLY, THEY WILL PRODUCE A PAPER ON GREEK GRAMMAR. PREREQUISITE: GRK 304. 3 CREDITS.

**GRK 420 GREEK READINGS** THIS COURSE SERVES AS A VEHICLE FOR DEVELOPMENT OF SKILLS NECESSARY IN TRANSLATION OF ANCIENT GREEK TEXTS, INCLUDING AN UNDERSTANDING OF THEIR HISTORICAL AND CULTURAL BACKGROUND. STUDENTS STRENGTHEN AND EXPAND THEIR KNOWLEDGE OF GREEK MORPHOLOGY, SYNTAX, AND VOCABULARY AND GROW IN USING LINGUISTIC AND ACADEMIC RESOURCES. PREREQUISITE: GRK 303. 1 CREDIT.

## **HEALTH & HUMAN PERFORMANCE**

**HHP 100 INTRODUCTION TO LIFETIME FITNESS** THIS COURSE IS AN EXPOSURE TO A VARIETY OF LECTURE AND LABORATORY PROGRAMS DESIGNED TO GIVE THE STUDENT INSIGHTS INTO THE PHYSIOLOGICAL VALUES OF ACTIVITY. FULFILLS PHYSICAL DEVELOPMENT REQUIREMENT IN THE ELECTIVE CORE. 1 CREDIT.

**HHP 101 INTRODUCTION TO HEALTH SCIENCE & CAREERS** 1 CREDIT.

**HHP 120 WEIGHT TRAINING** IS DESIGNED TO INTRODUCE THE STUDENT TO THE PRINCIPLES AND TECHNIQUES OF WEIGHT TRAINING THROUGH THE USE OF WEIGHT MACHINES AND FREE WEIGHTS. FULFILLS PHYSICAL DEVELOPMENT REQUIREMENT IN THE ELECTIVE CORE. 1 CREDIT.

**HHP 130 ADVANCED WEIGHT TRAINING** ANALYZES THE TECHNIQUES AND SKILLS OF WEIGHT TRAINING TO ACHIEVE INDIVIDUAL GOALS. THE COURSE WILL GO OVER VARIOUS CORE LIFTS, OLYMPIC LIFTS, AND REPETITION STRENGTH TESTING. FULFILLS PHYSICAL DEVELOPMENT REQUIREMENT IN THE ELECTIVE CORE. 2 CREDITS.

**HHP 163 FRESHMAN FAST-TRACK I** WILL ALLOW EACH STUDENT THE OPPORTUNITY TO PRACTICE ATHLETIC TRAINING AND BASIC PSYCHOMOTOR SKILLS (HANDS-ON). 2 CREDITS.

**HHP 164 FRESHMAN FAST-TRACK II** WILL ALLOW EACH STUDENT THE OPPORTUNITY TO PRACTICE ADVANCED ATHLETIC TRAINING AND BASIC PSYCHOMOTOR SKILLS (HANDS-ON). PREREQUISITE: HHP163 OR CONSENT OF INSTRUCTOR. 1 CREDIT.

**HHP 202 INTRODUCTION TO KINESIOLOGY** STUDENTS EXPLORE THE HISTORY, PRINCIPLES, SCIENTIFIC FOUNDATIONS, PHILOSOPHY, EMPLOYMENT OPPORTUNITIES, AND SCOPE OF PHYSICAL ACTIVITY. 3 CREDITS.

**HHP 205 FIRST AID & CPR** THIS COURSE IS AN AMERICAN RED CROSS TRAINING PROGRAM DESIGNED TO PREPARE INDIVIDUALS TO RESPOND TO INJURIES AND SUDDEN ILLNESSES THAT MAY ARISE. STUDENTS WILL GAIN THE KNOWLEDGE AND SKILLS TO PREVENT, RECOGNIZE, AND PROVIDE BASIC CARE FOR INJURIES AND SUDDEN ILLNESSES UNTIL MEDICAL PROFESSIONALS ARRIVE AND TAKE OVER. AED INSTRUCTION IS INCLUDED. 2 CREDITS.

**HHP 250 TEACHING CORE ACTIVITIES II RECREATIONAL DANCE** THIS COURSE FOCUSES ON THE METHODS AND TECHNIQUES OF INSTRUCTION IN RHYTHMIC AND DANCE ACTIVITIES. 3 CREDITS.

**HHP 254 TEACHING CORE ACTIVITIES I: FOUNDATIONS OF FITNESS** THIS COURSE PROVIDES STUDENTS WITH THE KNOWLEDGE AND SKILLS NECESSARY TO TEACH ELEMENTARY AND SECONDARY SCHOOL STUDENTS THE COGNITIVE, AFFECTIVE, AND BEHAVIORAL SKILLS FOR A HEALTHY LIFESTYLE. THE COURSE IS BASED UPON THE FIVE HEALTH-RELATED COMPONENTS OF PHYSICAL FITNESS. 3 CREDITS.

**HHP 265 HEALTHY LIFESTYLES** PRESENTS THE INTRODUCTORY SCIENTIFIC FOUNDATIONS REGARDING THE RELATIONSHIP OF HEALTH TO LIFESTYLE CHOICES. SPECIFIC APPLICATIONS FOR MAKING LIFESTYLE CHANGES ARE EXPLORED. ISSUES ADDRESSED MAY INCLUDE BASIC INFORMATION ON: NUTRITION, EXERCISE, STRESS, WEIGHT MANAGEMENT, AND DISEASE PREVENTION SUCH AS CANCER, CARDIOVASCULAR DISEASE, SMOKING, STDs AND DIABETES MELLITUS. 3 CREDITS.

**HHP 272/273 INTRODUCTION TO ATHLETIC TRAINING** THIS COURSE IS DESIGNED TO GIVE KNOWLEDGE AND SKILLS IN THE TREATMENT OF COMMON ACTIVITY-RELATED INJURIES. BASIS PRINCIPLES OF FIRST AID AND ATHLETIC TRAINING ARE LEARNED. 3 CREDITS.

**HHP 275 ADMINISTRATION AND ORGANIZATION OF SPORT** INTRODUCES THE STUDENT TO ADMINISTRATIVE AND ORGANIZATIONAL POLICIES, PROCEDURES, BUDGET PRINCIPLES, PUBLIC RELATIONS, LEGAL CONSIDERATIONS, EVENT MANAGEMENT, SAFETY CONSIDERATION AND OTHER ISSUES AT ALL LEVELS OF SPORT. STUDENTS ARE INVOLVED IN SELECTED HANDS-ON EXPERIENCES AT VARIOUS LEVELS AND TYPES OF PARTICIPATION. 3 CREDITS.

**HHP 280 PSYCHOLOGY OF SPORT** THE EXERCISE PORTION OF THE COURSE EMPHASIZES PSYCHOLOGICAL FOUNDATIONS OF EXERCISE WITH MOTIVATION TECHNIQUES. THE PERFORMANCE ASPECT OF THE COURSE EMPHASIZES PSYCHOLOGICAL ATTRIBUTES/SKILLS DESIGNED TO ENHANCE PERFORMANCE. 3 CREDITS.

**HHP 289 ATHLETIC TRAINING SEMINAR** IS DESIGNED TO HAVE ALL LEVELS OF ATHLETIC TRAINING STUDENTS MEET TO STUDY SPECIFIC ATHLETIC TRAINING COMPETENCIES. OPPORTUNITIES WILL ALSO BE PROVIDED FOR OUTSIDE SPEAKERS IN THE MEDICAL FIELD TO PRESENT ON VARIOUS TOPICS SPECIFIC TO ATHLETIC TRAINING COMPETENCIES. THIS COURSE IS TAKEN CONSECUTIVELY FOR SIX SEMESTERS BEGINNING WITH THE FIRST SEMESTER IN THE ATHLETIC TRAINING EDUCATION PROGRAM. 1 CREDIT.

**HHP 291 ATHLETIC TRAINING PRACTICUM I** IS DESIGNED TO FORMALLY STRUCTURE CLINICAL EXPERIENCE SPECIFIC TO THE FIRST SEMESTER OF ENROLLMENT IN THE ATHLETIC TRAINING EDUCATIONAL PROGRAM. IT INCLUDES OBSERVATION AND HANDS-ON EXPERIENCE AT CONCORDIA UNIVERSITY AFFILIATED SITES. THE PURPOSE OF THIS COURSE IS TO INCORPORATE SPECIFIC CLINICAL PROFICIENCIES WITH REAL LIFE ATHLETIC AND INJURY SITUATIONS. PREREQUISITES: HHP 272/273. 3 CREDITS.

**HHP 292 ATHLETIC TRAINING PRACTICUM II** IS DESIGNED TO FORMALLY STRUCTURE CLINICAL EXPERIENCE SPECIFIC TO THE SECOND SEMESTER OF ENROLLMENT IN THE ATHLETIC TRAINING EDUCATIONAL PROGRAM. IT INCLUDES OBSERVATION AND HANDS-ON EXPERIENCE AT CONCORDIA UNIVERSITY AFFILIATED SITES. THE PURPOSE OF THIS COURSE IS TO INCORPORATE SPECIFIC CLINICAL PROFICIENCIES WITH REAL LIFE ATHLETIC AND INJURY SITUATIONS. PREREQUISITES: HHP 291. 3 CREDITS.

**HHP 301 REHABILITATION TECHNIQUES OF ATHLETIC INJURIES** INVOLVES THE STUDY, METHODS, AND APPLICATION OF REHABILITATION TECHNIQUES AS THEY RELATE TO ATHLETIC INJURIES. PREREQUISITES: HHP 272/273. 3 CREDITS.

**HHP 302 REHABILITATION TECHNIQUES OF ATHLETIC INJURIES LABORATORY** IS A LABORATORY INVESTIGATION OF THE VARIOUS REHABILITATION TECHNIQUES USED WITH COMMON ATHLETIC INJURIES. 0 CREDITS.

**HHP 303 THERAPEUTIC MODALITIES** INTRODUCES THE STUDENT TO THE PHYSIOLOGICAL PRINCIPLES AND APPLICATIONS OF CRYOTHERAPY, THERMOTHERAPY, ELECTROSTIMULATION, MASSAGE, INTERMITTENT COMPRESSION, TRACTION, AND HYDROTHERAPY. THIS COURSE WILL EXPLORE THE VARIOUS APPLICATIONS OF MODALITIES AS THEY RELATE TO ORTHOPEDIC ATHLETIC INJURIES. PREREQUISITES: BIO 171/272 OR BIO 171/276 OR BIO 181/282 OR HHP 272/273. 3 CREDITS.

**HHP 304 THERAPEUTIC MODALITIES LABORATORY** IS AN INVESTIGATION AND APPLICATION OF MODALITIES COMMONLY USED FOR ATHLETIC INJURIES. THE STUDENT WILL HAVE THE OPPORTUNITY TO ANALYZE AND USE ULTRASOUND, DIATHERMY, MASSAGE, PARAFFIN BATH, HYDROCOLATOR PACKS, INTERMITTENT COMPRESSION, VARIOUS ELECTRICAL STIMULATION DEVICES, WHIRLPOOL USAGE, MECHANICAL TRACTION, AND VARIOUS CRYOTHERAPY METHODS. 0 CREDITS.

**HHP 312 ADMINISTRATION AND ORGANIZATION OF ATHLETIC TRAINING** EXPOSES THE STUDENT TO MANAGEMENT THEORY, BUDGET PREPARATION, CARE AND PURCHASE OF EQUIPMENT/MODALITIES, LEGAL CONSIDERATIONS, ATHLETIC TRAINING FACILITY DESIGN AND MANAGEMENT, AND PUBLIC RELATIONS. IT ALSO ADDRESSES THE ADMINISTRATION AND ORGANIZATION OF ATHLETIC TRAINING ROOMS IN NON-TRADITIONAL SETTINGS. PREREQUISITES: HHP 272/273. 3 CREDITS.

**HHP 330 MANUAL MUSCLE TESTING** INTRODUCES THE VARIOUS POSITIONS AND TECHNIQUES OF MANUAL MUSCLE TESTING. PREREQUISITES: HHP 272/273, OR BIO 171/272 OR BIO 171/276 OR BIO 181/282. 2 CREDITS.

**HHP 342 NUTRITION FOR WELLNESS AND PERFORMANCE** PRESENTS THE SCIENTIFIC FOUNDATIONS REGARDING THE HUMAN DIGESTIVE SYSTEM IN HEALTH AND DISEASE. NUTRIENT VALUES WILL BE RESEARCHED WITH THE EXPRESS PURPOSE OF COMPARING INDIVIDUAL VALUES TO HEALTHY NORMS ACROSS GENDERS, AGE GROUPS, AND ETHNICITIES. ISSUES MAY INCLUDE: ESSENTIAL NUTRIENTS, WEIGHT MANAGEMENT, EXERCISE GUIDELINES, CURRENT NUTRITIONAL GUIDELINES, PHYTOCHEMICALS, ANTIOXIDANTS, HERBAL SUPPLEMENTS, FAD DIETS, AND NUTRITION APPLICATIONS FOR THE PREVENTION OR DELAY OF SEVERAL DISEASES OF LIFESTYLE. 3 CREDITS.



**HHP 348 PALPATORY ANATOMY OF THE HUMAN BODY** IS AN INVESTIGATION OF THE VARIOUS MUSCULOSKELETAL STRUCTURES OF THE HUMAN BODY. STUDENTS WILL LEARN AND APPLY PALPATORY TECHNIQUES IN IDENTIFYING MUSCULOSKELETAL STRUCTURES. PREREQUISITES: HHP 272/273, BIO 171/271, AND BIO 172/273. 2 CREDITS.

**HHP 350 COACHING METHODS** THIS COURSE PRESENTS THE THEORIES OF COACHING AND STRATEGIES OF TEAM SPORTS. 3 CREDITS

**HHP 355 TEACHING CORE ACTIVITIES III** THIS COURSE FOCUSES ON THE PRACTICE, INSTRUCTIONAL STRATEGIES AND TECHNIQUES FOR THE TEACHING OF INDIVIDUAL SPORTS IN AN EDUCATIONAL SETTING. TRADITIONAL INDIVIDUAL SPORTS AND GAMES OF AMERICAN CULTURE WILL BE PRACTICED AND EXPLORED AS WILL THOSE OF OTHER CULTURES AND COUNTRIES. 3 CREDITS.

**HHP 356 TEACHING CORE ACTIVITIES IV** THIS COURSE FOCUSES ON THE PRACTICE, INSTRUCTIONAL STRATEGIES AND TECHNIQUES FOR THE TEACHING OF TEAM SPORTS AND GAMES IN AN EDUCATIONAL SETTING. TRADITIONAL TEAM SPORTS AND GAMES OF AMERICAN CULTURE WILL BE PRACTICED AND EXPLORED AS WILL THOSE OF OTHER CULTURES AND COUNTRIES. 3 CREDITS.

**HHP 371 EXERCISE PHYSIOLOGY** STUDENTS INVESTIGATE THE APPLICATION OF PHYSIOLOGICAL PRINCIPLES TO THE STUDY OF HUMAN PERFORMANCE RELATED TO SPORTS AND LEISURE ACTIVITIES. 4 CREDITS.

**HHP 372 RECOGNITION AND EVALUATION OF ATHLETIC INJURIES I** INVOLVES THE STUDY OF THE ASSESSMENT AND MANAGEMENT OF ATHLETIC INJURIES TO THE FOOT, ANKLE, LOWER LEG, KNEE, SHOULDER, ELBOW, WRIST AND HAND. HHP 374 MUST BE TAKEN IN CONJUNCTION WITH HHP 372. PREREQUISITES: HHP 272/273, BIO 171/272 OR BIO 171/276 OR BIO 181/282. 3 CREDITS

**HHP 374 RECOGNITION AND EVALUATION OF ATHLETIC INJURIES I** LABORATORY IS AN INVESTIGATION INTO GONIOMETRY, ANATOMY, AND THE EVALUATION COMPONENTS OF ASSESSING ATHLETIC INJURIES TO THE FOOT, ANKLE, LOWER LEG, KNEE, SHOULDER, ELBOW, WRIST AND HAND. IT IS DESIGNED TO BE TAKEN IN CONJUNCTION WITH HHP 372. 0 CREDITS.

**HHP 373 MOTOR DEVELOPMENT** THIS COURSE IS DESIGNED TO GIVE KNOWLEDGE ABOUT MOTOR LEARNING AND DEVELOPMENT. STUDENTS EXPERIENCE HOW MOVEMENTS ARE LEARNED AND HOW THE CAPACITY FOR MOVEMENT CHANGES OVER THE LIFESPAN. 3 CREDITS.

**HHP 375 BIOMECHANICS** STUDENTS EXAMINE THE ROLE OF THE SKELETAL, MUSCULAR, AND NERVOUS SYSTEMS IN HUMAN MOVEMENT. BASIC MECHANICAL PRINCIPLES UNDERLYING AND EFFECTING EFFICIENT HUMAN MOVEMENT ARE EXAMINED. 3 CREDITS.

**HHP 376 RECOGNITION AND EVALUATION OF ATHLETIC INJURIES II** INVOLVES THE STUDY OF THE ASSESSMENT AND MANAGEMENT OF ATHLETIC INJURIES TO THE THIGH, PELVIS, ABDOMEN, SPINE, HEAD/CERVICAL, HEAT/COLD EMERGENCIES AND CARDIOPULMONARY CONDITIONS. PREREQUISITES: BIO 171/272 OR BIO 171/276 OR BIO 181/282, HHP 272/273, HHP 372/374. 3 CREDITS.

**HHP 378 RECOGNITION AND EVALUATION OF ATHLETIC INJURIES II** LABORATORY IS AN INVESTIGATION INTO THE ANATOMY, AND THE EVALUATION COMPONENTS OF ASSESSING ATHLETIC INJURIES TO THE THIGH, PELVIS, ABDOMEN, SPINE, HEAD/CERVICAL, HEAT/COLD EMERGENCIES AND CARDIOPULMONARY CONDITIONS. IT IS DESIGNED TO BE TAKEN IN CONJUNCTION WITH HHP 376. 0 CREDITS.

**HHP 391 ATHLETIC TRAINING PRACTICUM III** IS DESIGNED TO FORMALLY STRUCTURE CLINICAL EXPERIENCE SPECIFIC TO THE THIRD SEMESTER OF ENROLLMENT IN THE ATHLETIC TRAINING EDUCATION PROGRAM. IT INCLUDES OBSERVATION AND HANDS-ON EXPERIENCE AT CONCORDIA UNIVERSITY AFFILIATED SITES. THE PURPOSE OF THIS COURSE IS TO INCORPORATE SPECIFIC CLINICAL PROFICIENCIES WITH REAL LIFE ATHLETIC AND INJURY SITUATIONS. PREREQUISITE: HHP 292. 3 CREDITS.

**HHP 392 ATHLETIC TRAINING PRACTICUM IV** IS DESIGNED TO FORMALLY STRUCTURE CLINICAL EXPERIENCE SPECIFIC TO THE FOURTH SEMESTER OF ENROLLMENT IN THE ATHLETIC TRAINING EDUCATION PROGRAM. IT INCLUDES OBSERVATION AND HANDS-ON EXPERIENCE AT CONCORDIA UNIVERSITY AFFILIATED SITES. THE PURPOSE OF THIS COURSE IS TO INCORPORATE SPECIFIC CLINICAL PROFICIENCIES WITH REAL LIFE ATHLETIC AND INJURY SITUATIONS. PREREQUISITE: HHP 391. 3 CREDITS.

**HHP 403 ADVANCED INJURY MANAGEMENT** ADVANCED INJURY MANAGEMENT EXPOUNDS ON THE STUDENT'S KNOWLEDGE OF THERAPEUTIC MODALITIES AND REHABILITATION PRINCIPLES BY ALLOWING THE STUDENT TO SYNTHESIZE PREVIOUSLY TAUGHT TREATMENT OPTIONS WITH NEWLY INTRODUCED ADVANCED THERAPEUTIC MODALITIES AND MANUAL THERAPY TECHNIQUES. THIS COURSE WILL ACT AS A CAPSTONE COURSE AND ALLOW THE STUDENT THE OPPORTUNITY TO MASTER THEIR SKILLS IN THE MANAGEMENT OF ATHLETIC INJURIES. PREREQUISITES: HHP 301/302 AND HHP 303/304. 2 CREDITS.

**HHP 408 PHARMACOLOGY AND ERGOGENIC AIDS** IS DESIGNED TO EXAMINE PHARMACEUTICAL DRUG APPLICATIONS, INTERACTIONS AND THEIR VALUE TO THE INJURY-HEALING PROCESS AND ATHLETIC PERFORMANCE. ERGOGENIC AIDS WILL BE REVIEWED IN THE CONTEXT OF THEIR PHYSIOLOGICAL APPLICATION, MORAL AND ETHICAL VALUES, AND ATHLETIC PERFORMANCE. PREREQUISITES: BIO 171/272 OR BIO 171/276 OR BIO 181/282, BIO 172/273, HHP 371 AND HHP 342. 3 CREDITS.

**HHP 410 MEASUREMENT AND EVALUATION IN HEALTH/PE** THE HISTORY, THEORY, AND PRINCIPLES OF TESTING IN HUMAN PERFORMANCE ARE PRESENTED. PREDICTIVE AND INFERENTIAL ASPECTS OF STATISTICS ARE EXPLORED. 3 CREDITS.

**HHP 412 ADAPTED PHYSICAL EDUCATION** PHYSICAL EDUCATION ACTIVITIES MODIFIED TO THE NEEDS, LIMITATIONS AND INTERESTS OF THE MENTALLY AND/OR PHYSICALLY CHALLENGED INDIVIDUAL. 3 CREDITS.

**HHP 450 CURRICULUM AND METHODS OF HEALTH EDUCATION** MAJOR CONTEMPORARY HEALTH ISSUES, METHODS OF INSTRUCTION, AND CURRICULUM DESIGN AND PLANNING ARE DISCUSSED. 3 CREDITS.

**HHP 460 INTERNSHIP PHYSICAL EDUCATION INTERNSHIP** IS DESIGNED TO EXPOSE STUDENTS TO VARIOUS ASPECTS INVOLVED WITH HEALTH CARE AND REHABILITATION IN EITHER A CLINICAL OR NON-CLINICAL SETTING. ALTHOUGH THE STUDENT IS ONLY AT THE PRE-PROFESSIONAL LEVEL, HE/SHE CAN BE INVOLVED IN THE OBSERVATION, ASSISTANCE, AND DISCUSSION OF PATIENTS' TREATMENT AND CARE, AS THE EXPERIENCED PROFESSIONAL DEEMS APPROPRIATE. 3-6 CREDITS.

**HHP 475 SEMINAR IN EXERCISE SCIENCE** REQUIRES STUDENTS TO SELECT RESEARCH ARTICLES FROM CURRENT TOPICS IN EXERCISE PHYSIOLOGY. STUDENTS WILL ANALYZE, EVALUATE AND DISCUSS THE METHODOLOGY OF THE SELECTED RESEARCH TOPICS. IN ADDITION, THE IMPORTANCE OF THE INSTITUTIONAL REVIEW BOARD IN CONDUCTING RESEARCH WILL BE COVERED AS A PREPARATION FOR HHP 495 SENIOR SEMINAR'S RESEARCH PROJECT. PREREQUISITES: MATH 205, HHP 471. 2 CREDITS

**HHP 491 ATHLETIC TRAINING PRACTICUM V** IS DESIGNED TO FORMALLY STRUCTURE CLINICAL EXPERIENCE SPECIFIC TO THE FIFTH SEMESTER OF ENROLLMENT IN THE ATHLETIC TRAINING EDUCATION PROGRAM. THIS COURSE WILL GIVE THE STUDENT THE OPPORTUNITY TO PURSUE AN INTERNSHIP-STYLE EXPERIENCE WITH A CONCORDIA UNIVERSITY AFFILIATED SITE. THE PURPOSE OF THIS COURSE IS TO INCORPORATE SPECIFIC CLINICAL PROFICIENCIES WITH REAL LIFE ATHLETIC AND INJURY SITUATIONS. PREREQUISITE: HHP 392. 4 CREDITS.

**HHP 492 ATHLETIC TRAINING PRACTICUM VI** IS DESIGNED TO FORMALLY STRUCTURE CLINICAL EXPERIENCE SPECIFIC TO THE SIXTH SEMESTER OF ENROLLMENT IN THE ATHLETIC TRAINING EDUCATION PROGRAM. THIS COURSE WILL GIVE THE STUDENT THE OPPORTUNITY TO PURSUE AN INTERNSHIP-STYLE EXPERIENCE WITH A CONCORDIA UNIVERSITY AFFILIATED SITE. THE PURPOSE OF THIS COURSE IS TO INCORPORATE SPECIFIC CLINICAL PROFICIENCIES WITH REAL LIFE ATHLETIC AND INJURY SITUATIONS. PREREQUISITES: HHP 491. 4 CREDITS.

**HHP 493 SENIOR SEMINAR FOR ATHLETIC TRAINING** WILL OFFER THE STUDENT THE OPPORTUNITY TO EXPLORE TOPICS IN ATHLETIC TRAINING/SPORTS MEDICINE UNDER THE DIRECTION OF THE INSTRUCTOR. INTENSIVE STUDY, CRITICAL EXAMINATION AND ANALYSIS OF PERTINENT RESEARCH WILL FORM THE BASIS OF THE COURSE. SEMINAR WORK MAY INCLUDE INDIVIDUAL AND/OR GROUP INVESTIGATION OF TOPICS, PROBLEMS, OR ISSUES WITH WRITTEN AND ORAL PRESENTATION. SENIOR STATUS REQUIRED. 3 CREDITS.

**HHP 495 SENIOR SEMINAR IN EXERCISE SCIENCE** INVOLVES THE DESIGN AND CONDUCTING OF AN EXERCISE PHYSIOLOGY-RELATED RESEARCH STUDY IN COLLABORATION WITH OTHER STUDENTS IN THE CLASS. STUDENTS WILL SUBMIT AN IRB APPLICATION, CONDUCT THE RESEARCH, ANALYZE THE DATA, AND PRESENT THE RESULTS. POTENTIAL EXISTS FOR THE SUBMISSION OF THE RESEARCH PROJECT TO A REGIONAL OR NATIONAL EXERCISE PHYSIOLOGY ORGANIZATION FOR PUBLICATION. SENIOR STATUS REQUIRED. 3 CREDITS

## HEBREW

**HEB 301 HEBREW I** STUDENTS ARE INTRODUCED TO BIBLICAL HEBREW MORPHOLOGY, SYNTAX, AND VOCABULARY LEADING TO ELEMENTARY TRANSLATION OF PRACTICE TEXTS AND THE HEBREW BIBLE. ANCIENT CULTURE AND HISTORY RELATING TO THE OLD TESTAMENT ARE ALSO INTRODUCED. 3 CREDITS.

**HEB 302 HEBREW II** THIS COURSE CONTINUES THE STUDY OF BIBLICAL HEBREW MORPHOLOGY, SYNTAX, AND VOCABULARY WITH AN INTRODUCTION TO THE READING OF BIBLICAL HEBREW PROSE. PREREQUISITE: HEB 301. COURSE IS DESIGNED TO BE TAKEN DURING THE FIRST HALF OF THE SEMESTER, THE STUDENT THEN ENROLLS IN HEB 401 FOR THE SECOND HALF OF THE SEMESTER. 3 CREDITS.

**HEB 401 HEBREW III** COMPLETES THE PRESENTATION OF ELEMENTS OF VOCABULARY, MORPHOLOGY, AND SYNTAX WITH A READING OF SIMPLE HEBREW PROSE. STUDENTS WILL LEARN TO RECOGNIZE HEBREW VOCABULARY, TO DISTINGUISH BETWEEN THE VARIOUS PARTS OF SPEECH, TO ANALYZE HEBREW MORPHOLOGY, AND TO APPLY RULES OF SYNTAX IN ORDER TO CREATE TRANSLATIONS OF ELEMENTARY HEBREW TEXTS THAT REPRESENT A SYNTHESIS OF HEBREW VOCABULARY, MORPHOLOGY, AND SYNTAX. PREREQUISITE: HEB 302. 3 CREDIT HOURS. PREREQUISITE: HEB 302. COURSE IS DESIGNED TO BE TAKEN DURING THE SECOND HALF OF THE SEMESTER, THE STUDENT SHOULD HAVE PREVIOUSLY COMPLETED HEB 302 IN THE FIRST HALF OF THE SEMESTER. 3 CREDITS.

**HEB 402 HEBREW IV** CONSISTS PRIMARILY OF SIMPLE TO INTERMEDIATE NARRATIVE READINGS. STUDENTS WILL INCREASE THEIR KNOWLEDGE OF HEBREW VOCABULARY AND FURTHER DEVELOP THEIR UNDERSTANDING OF HEBREW SYNTAX. THEY WILL ALSO STUDY THE CULTURE AND GENRE IN WHICH THE ASSIGNED TEXTS WERE WRITTEN WHILE LEARNING ABOUT THE TRANSMISSION OF THE TEXT OF THE HEBREW OLD TESTAMENT. 3 CREDITS.

**HEB 412 HEBREW READINGS** THROUGH EXPOSURE TO A VARIETY OF TEXTS, STUDENTS WILL FURTHER DEVELOP THE SKILL OF READING THE HEBREW OLD TESTAMENT WITH CARE AND PRECISION BY STRENGTHENING AND EXPANDING THEIR KNOWLEDGE OF GREEK MORPHOLOGY, SYNTAX, AND VOCABULARY. ANCIENT CULTURE AND HISTORY WILL CONTINUE TO BE EXPLORED. 1 CREDIT.

**HEB 413 HEBREW V** WILL CONSIST PRIMARILY OF INTERMEDIATE POETIC READINGS FROM THE OLD TESTAMENT. STUDENTS WILL INCREASE THEIR KNOWLEDGE OF HEBREW VOCABULARY AND FURTHER DEVELOP THEIR UNDERSTANDING OF HEBREW SYNTAX, ESPECIALLY AS THAT SYNTAX AND VOCABULARY ARE AFFECTED BY THE GENRE OF POETRY. THEY WILL ALSO STUDY THE CULTURE AND GENRE IN WHICH THE ASSIGNED TEXTS WERE WRITTEN WHILE LEARNING ABOUT THE TEXTUAL APPARATUS USED IN CRITICAL EDITIONS OF THE HEBREW OLD TESTAMENT. 3 CREDITS.

**HEB 414 HEBREW VI** WILL CONSIST OF ADVANCED READINGS FROM THE HEBREW OLD TESTAMENT. STUDENTS WILL INCREASE THEIR KNOWLEDGE OF HEBREW VOCABULARY AND FURTHER DEVELOP THEIR UNDERSTANDING OF HEBREW SYNTAX. THEY WILL ALSO STUDY THE CULTURE AND GENRE IN WHICH THE ASSIGNED TEXTS WERE WRITTEN. 3 CREDITS.

## HISTORY

**HIST 103 CIV/WORLDVIEW: HISTORY** PROVIDES THE STUDENT WITH AN EXAMINATION OF THE CHRONOLOGY AND MAJOR THEMES OF WESTERN CIVILIZATION THROUGH STUDY OF PRIMARY AND SECONDARY SOURCES. FULFILLS CORE HISTORY REQUIREMENT. 3 CREDITS.

**HIST 153 AMERICAN CIVILIZATION** SURVEYS THE HISTORY OF THE UNITED STATES FROM PRE-COLUMBIAN AMERICA TO THE PRESENT, AND EXPLORES POLITICAL, IDEOLOGICAL, SOCIAL AND RELIGIOUS CHANGES THAT HAVE OCCURRED IN THE AMERICAN STORY. 3 CREDITS.

**HIST 163 NON-WESTERN WORLD** SURVEYS THE PEOPLES AND CULTURES OF MODERN AFRICA, ASIA, THE MIDDLE EAST, THE PACIFIC RIM, AND SOUTH AMERICA, PROVIDING THE STUDENTS BACKGROUND TO MAKE SENSE OF THESE INCREASINGLY IMPORTANT REGIONS IN THE WORLD. 3 CREDITS.

**HIST 208 HISTORY OF CHRISTIANITY** OFFERS A BROAD INTRODUCTION TO THE HISTORY OF CHRISTIANITY, FROM ITS BEGINNINGS, THROUGH THE REFORMATION, TO THE MODERN ERA. MAJOR EVENTS, KEY FIGURES, DOCTRINAL DEVELOPMENTS, DENOMINATIONAL DISTINCTIONS AND SIGNIFICANT CHALLENGES TO CHRISTIANITY WILL BE EMPHASIZED. 3 CREDITS.

**HIST 215 THE CIVIL WAR** EXPLORES THE PERIOD 1861-1865 WHEN THE COUNTRY WAS RENT APART BY THE MOST DIVISIVE WAR IN AMERICAN HISTORY, THE WAR WHICH HAS TO A LARGE DEGREE SHAPED CURRENT AMERICAN POLITICAL, ECONOMIC, AND SOCIAL REALITIES. THOUGH THE COURSE WILL EXAMINE THE HISTORICAL CONTEXT IN WHICH THE WAR UNFOLDED, THE MILITARY ASPECTS OF THE CIVIL WAR WILL RECEIVE SIGNIFICANT ATTENTION. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 221 THE ANCIENT WORLD** EXAMINES THE MAJOR CULTURES OF THE ANCIENT NEAR EAST (EGYPTIAN, ASSYRIAN, BABYLONIAN, ETC.) FROM THE EARLIEST TIMES TO DEVELOPMENT OF ARCHAIC GREECE, AND IN SO DOING OFFERS A BACKDROP TO THE ANCIENT WORLD OF THE OLD TESTAMENT AND THE CLASSICAL ERA OF THE GREEKS AND ROMANS. FULFILLS CORE CROSS-CULTURAL REQUIREMENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 241 INTRODUCTION TO LATIN AMERICA** EXPLORES THE HISTORY AND CULTURE OF CENTRAL AND SOUTH AMERICA AND THE CARIBBEAN FROM THE AZTECS, INCAS, AND MAYAS TO THE PRESENT. FULFILLS CORE CROSS-CULTURAL REQUIREMENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 243 MODERN AFRICA** EXAMINES THE POLITICAL, ECONOMIC, SOCIAL AND ETHNIC ISSUES CONFRONTING CONTEMPORARY AFRICA. VARIOUS HISTORICAL ISSUES ARE EXPLORED IN THE COURSE, INCLUDING THE ATLANTIC SLAVE TRADE, 19TH-CENTURY IMPERIALISM, COLONIALISM, POST-WAR DECOLONIZATION, ETHNIC CONFLICTS, AIDS AND GLOBALIZATION. FULFILLS CORE CROSS-CULTURAL REQUIREMENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 246 HISTORY OF JAPAN** INTRODUCES THE HISTORY OF JAPAN, EMPHASIZING JAPAN'S DISTINCTIVE CULTURAL, SPIRITUAL, POLITICAL, EDUCATIONAL, ARTISTIC, AND SOCIAL LIFE. THE ANTECEDENTS OF MODERN JAPAN CAN BE TRACED TO ANCIENT AND FEUDAL TIMES. STUDENTS WILL EXPLORE COMPARISONS AND CONTRASTS BETWEEN THE CULTURES OF JAPAN AND THE UNITED STATES. FULFILLS CORE CROSS-CULTURAL REQUIREMENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 250 MODERN MIDDLE EAST** SURVEYS THE RISE AND DISINTEGRATION OF THE OTTOMAN EMPIRE AS WELL AS LATER 20TH-CENTURY DEVELOPMENTS IN THE MIDDLE EAST, WITH PARTICULAR EMPHASIS ON THE ARAB-ISRAELI CONFLICT. FULFILLS CORE CROSS-CULTURAL REQUIREMENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 284 IMPERIAL CHINA** EXPLORES CHINA'S ANCIENT HISTORY AND INTRODUCES STUDENTS TO ANCIENT CHINESE CULTURE THROUGH A NUMBER OF CULTURAL ACTIVITIES. FULFILLS CORE CROSS-CULTURAL REQUIREMENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 285 MODERN CHINA** EXAMINES CHINA'S MODERN HISTORY FROM THE QING DYNASTY TO THE PRESENT. IT ALSO INTRODUCES STUDENTS TO CHINESE CULTURE THROUGH A NUMBER OF CULTURAL ACTIVITIES. FULFILLS CORE CROSS-CULTURE REQUIREMENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS

**HIST 309 EARLY AMERICA, 1492-1787** EXAMINES THE EARLY HERITAGE OF THE UNITED STATES FROM THE NATIVE AMERICANS TO THE CONSTITUTION OF 1787. THE COURSE EXPLORES SUCH TOPICS AS THE BEGINNINGS OF OUR MULTI-CULTURAL SOCIETY, THE GROWTH OF REPRESENTATIVE GOVERNMENT, AND THE DIVERSE ECONOMIC AND SOCIAL VALUES IN EARLY AMERICA. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 322 THE CLASSICAL WORLD** SURVEYS THE HISTORY OF CLASSICAL GREECE, THE HELLENISTIC WORLD, ANCIENT ROME, AND EARLY CHRISTIANITY WITH EMPHASIS UPON POLITICAL, SOCIAL, RELIGIOUS, AND CULTURAL ELEMENTS. STUDENTS WILL EXPLORE HOW THESE CULTURES INFLUENCED EACH OTHER AND THE MODERN WORLD. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 330 HISTORY OF MODERN EUROPE** STUDIES DEVELOPMENTS IN EUROPEAN SOCIAL, POLITICAL, ECONOMIC, RELIGIOUS, AND CULTURAL HISTORY FROM THE FRENCH REVOLUTION TO THE PRESENT. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 351 INDUSTRIAL AMERICA 1861-1920** EXPLORES THE DEVELOPMENT OF THE UNITED STATES FROM AN AGRARIAN TO AN INDUSTRIAL NATION AND FROM A HEMISPHERIC TO A WORLD POWER. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 352 UNITED STATES AS A WORLD POWER 1920-PRESENT** STUDIES THE POLITICAL, ECONOMIC, SOCIAL, AND INTELLECTUAL DEVELOPMENT OF THE UNITED STATES SINCE WORLD WAR I. SEVERAL IMPORTANT EVENTS AND REPRESENTATIVE FIGURES OF THE PERIOD WILL BE STUDIED IN DEPTH. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 356 THE MIDDLE AGES** SURVEYS THE POLITICAL, ECONOMIC, RELIGIOUS, CULTURAL AND SOCIAL DEVELOPMENT OF EUROPE FROM THE FALL OF THE ROMAN EMPIRE THROUGH THE 14TH CENTURY. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 358 RENAISSANCE/REFORMATION** EUROPE PRESENTS AN OVERVIEW OF EUROPEAN HISTORY FROM THE 13TH TO THE 17TH CENTURIES, WITH ESPECIAL EMPHASIS UPON THE RENAISSANCE AND REFORMATION. STUDENTS WILL EXPLORE HOW THESE MOVEMENTS IMPACTED THE DEVELOPMENT OF WESTERN CIVILIZATION IN GENERAL AND EUROPE IN PARTICULAR. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 360 REVOLUTIONARY EUROPE** SURVEYS THE HISTORY OF EUROPE IN THE 17TH AND 18TH CENTURIES, A PERIOD DURING WHICH EUROPE EXPERIENCED REVOLUTIONS OF ALL KINDS—POLITICAL, RELIGIOUS, SCIENTIFIC, TECHNOLOGICAL, MILITARY, ECONOMIC—AND WITNESSED SOME OF THE GREATEST POLITICAL, CULTURAL AND INTELLECTUAL CHANGES IN EUROPEAN HISTORY. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 363 WOMEN IN AMERICA** INTRODUCES STUDENTS TO SIGNIFICANT WORLDVIEWS AND MAJOR EVENTS THAT AFFECTED WOMEN'S HISTORY IN THE UNITED STATES. THE STUDENTS WILL EXAMINE WOMEN'S INVOLVEMENT WITHIN THE MAJOR SOCIAL INSTITUTIONS OF AMERICA, AND WHAT ROLE WOMEN HAVE PLAYED IN ECONOMICS, EDUCATION, FAMILY, POLITICS, AND RELIGION FROM EARLY SETTLEMENT TO CURRENT TIMES. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 380 AMERICAN REPUBLIC 1788-1860** STUDIES THE HISTORY OF THE UNITED STATES FROM WASHINGTON'S ADMINISTRATION TO THE CIVIL WAR, EXPLORING THE POLITICAL, ECONOMIC, SOCIAL, AND INTELLECTUAL GROWTH OF THE NATION. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 385 HISTORICAL METHODS** INTRODUCES STUDENTS TO THE NATURE AND THEORY OF HISTORY THROUGH THE STUDY OF PAST DEVELOPMENTS IN HISTORICAL RESEARCH AND WRITING. STUDENTS WILL EXPLORE THE WORK OF THE HISTORIAN AND THE CONCEPT OF HISTORIOGRAPHY THROUGH VARIOUS EXERCISES. IN ADDITION, STUDENTS WILL CONSIDER THE MEANING OF HISTORY, PARTICULARLY FROM THE CHRISTIAN PERSPECTIVE. PREREQUISITE: HIST 103 AND JUNIOR OR SENIOR STANDING. OFFERED FALL SEMESTER ONLY. 3 CREDITS.

**HIST 420 NATIONAL HISTORY** EXAMINES THE HISTORY OF A SPECIFIC EUROPEAN COUNTRY (ENGLAND, FRANCE, GERMANY OR RUSSIA), EXPLORING POLITICAL, SOCIAL, ECONOMIC, RELIGIOUS, AND OTHER FACTORS. THE COURSE WILL EXAMINE ONE NATION; THE NATION UNDER STUDY WILL ROTATE FROM YEAR TO YEAR. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 463 TOPICS IN WESTERN HISTORY** PROVIDES THE STUDENT WITH THE OPPORTUNITY TO EXPLORE A THEME, QUESTION OR TOPIC IN WESTERN HISTORY IN AN IN-DEPTH FASHION IN A SEMINAR-STYLE COURSE. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 464 TOPICS IN AMERICAN HISTORY** PROVIDES THE STUDENT WITH THE OPPORTUNITY TO EXPLORE A THEME OR QUESTION IN AMERICAN HISTORY IN AN IN-DEPTH FASHION IN A SEMINAR-STYLE COURSE. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 465 TOPICS IN GLOBAL HISTORY** PROVIDES THE STUDENT WITH AN OPPORTUNITY TO EXPLORE A THEME, QUESTION, OR TOPIC IN GLOBAL HISTORY IN AN IN-DEPTH FASHION IN A SEMINAR-STYLE COURSE. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 466 THE AMERICAN IDEA** SURVEYS THE INTELLECTUAL HISTORY OF THE UNITED STATES AS IT INTERSECTED WITH AMERICAN SOCIETY, AND WILL FEATURE PARTICULAR GROUPS IN THE COUNTRY'S HISTORY, FROM THE PURITANS TO THE CONSERVATIVE MOVEMENT OF THE LATE 20TH CENTURY. PREREQUISITE: HIST 103 OR CONSENT OF THE INSTRUCTOR. 3 CREDITS.

**HIST 475 THE REFORMATIONS** AN IN-DEPTH STUDY OF THE REFORMATIONS OF 16TH-CENTURY EUROPE, INCLUDING THE LUTHERAN, CALVINIST AND CATHOLIC. THE STUDENT WILL BE GIVEN THE OPPORTUNITY TO EXPLORE IN DEPTH THE IDEAS (THEOLOGICAL, POLITICAL, EDUCATIONAL, ETC.) AND THE MAJOR THEMES (SALVATION, INDIVIDUALISM, FRACTURING OF THE CATHOLIC CHURCH INTO DIFFERENT DENOMINATIONS, EDUCATION, RELIGIOUS WAR, RELIGIOUS TOLERATION, ETC.) THROUGH DIRECTED READINGS OF SELECTED TEXTS, INDIVIDUAL RESEARCH AND GROUP PROJECTS. 3 CREDITS.

**HIST 385 HISTORICAL METHODS** INTRODUCES STUDENTS TO THE NATURE AND THEORY OF HISTORY THROUGH THE STUDY OF PAST DEVELOPMENTS IN HISTORICAL RESEARCH AND WRITING. STUDENTS WILL EXPLORE THE WORK OF THE HISTORIAN AND THE CONCEPT OF HISTORIOGRAPHY THROUGH VARIOUS EXERCISES. IN ADDITION, STUDENTS WILL CONSIDER THE MEANING OF HISTORY, PARTICULARLY FROM THE CHRISTIAN PERSPECTIVE. PREREQUISITE: HIST 103 AND JUNIOR OR SENIOR STANDING. 3 CREDITS.

**HIST 490 SENIOR HISTORY SEMINAR** THE CULMINATING UNDERGRADUATE EXPERIENCE IN WHICH THE STUDENT WILL STUDY HISTORY BY RESEARCHING, WRITING, AND PRESENTING A PIECE OF ORIGINAL HISTORICAL WORK. PREREQUISITE: HIST 385. 3 CREDITS.

## **HOSPITALITY & EVENT MANAGEMENT**

**HEM 210 EXPOSITION AND SPECIAL EVENT MANAGEMENT** THIS COURSE CHALLENGES STUDENTS TO UNDERSTAND THE BREADTH AND INDUSTRY STANDARDS RELATIVE TO PLANNING, IMPLEMENTING, EVALUATING AND MANAGING TRADE SHOWS, EXHIBITIONS, CONVENTIONS AND CONFERENCES, AND/OR HALLMARK CALIBER EVENTS. STUDENTS WILL TEST AND ANALYZE HYPOTHETICAL EVENTS AND REVIEW CASE STUDIES IN ORDER TO PREPARE IN-DEPTH ANALYSIS OF THE PROPOSED EVENTS, OFFERING DETAILED SUPPORT OR CRITIQUE BASED ON THEIR REVIEW. 3 CREDITS.

**HEM 220 CONCESSION, CATERING, AND VENDOR OPERATIONAL MANAGEMENT** THIS COURSE INTRODUCES STUDENTS TO THE FOOD, BEVERAGE, MERCHANDISE, AND VENDOR RELATIONS SIDE OF HOSPITALITY AND EVENT MANAGEMENT. THIS COURSE PROVIDES THE STUDENT WITH A DIVERSE BACKGROUND OF CURRENT INDUSTRY KNOWLEDGE IN A VARIETY OF SIMULATED PROFESSIONAL ENVIRONMENTS ALLOWING STUDENTS TO EXPLORE CONVENTIONS, PRIVATE EVENT SPACE(S), ATHLETIC FACILITIES, AND MORE. 3 CREDITS.

**HEM 230 CEREMONIAL MANAGEMENT** THIS COURSE INTRODUCES STUDENTS TO A VARIETY PROFESSIONAL AND CEREMONIAL SPECIAL EVENTS AND CONVENTIONS THAT REQUIRE AN UNDERSTANDING OF AGENDAS, GUEST SPEAKERS, ENTERTAINMENT, BRANDS, AND PROFESSIONAL GROUPS (LARGE AND SMALL). STUDENTS WILL CREATIVELY DESIGN AGENDAS, FLOOR PLANS, AND PROGRAMS SUITABLE FOR ASSIGNED EVENTS. STUDENTS WILL BE EXPLORE BANQUET AND SYMPOSIUM PLANNING, CONVENTION PLANNING, AND CEREMONIAL (I.E. WEDDING) THROUGH SIMULATED EVENTS. 3 CREDITS.

**HEM 240 FINANCIAL ASPECTS OF HOSPITALITY AND EVENT MANAGEMENT** THIS COURSE PROVIDES AN IN-DEPTH ANALYSIS OF THE FINANCIAL ASPECTS OF THE HOSPITALITY AND EVENT MANAGEMENT INDUSTRIES. THIS COURSE EMPHASIZES THE IMPORTANCE OF FINANCIAL RESPONSIBILITY AND INDUSTRY KNOWLEDGE AS A WHOLE. TOPICS INCLUDE UNDERSTANDING BUDGETS, PROFIT MARGINS, ROI (RETURN ON INVESTMENT), BUDGET DESIGN, COST OF GOODS SOLD, INVENTORY COSTS, AND PURVEYOR RELATIONS. 3 CREDITS.

**HEM 290 INTRODUCTION TO HOSPITALITY, EVENT, & ENTERTAINMENT MANAGEMENT** THIS INTRODUCTION TO HOSPITALITY, EVENT & ENTERTAINMENT COURSE EXAMINES THE PRINCIPLES OF THE ENTERTAINMENT AND HOSPITALITY INDUSTRIES. THIS COURSE FOCUSES ON THE APPLICATIONS OF INDUSTRY KNOWLEDGE AND EXPOSES STUDENTS TO THE FUNDAMENTALS AND BEST PRACTICES OF HOSPITALITY, EVENT AND ENTERTAINMENT MANAGEMENT. THIS CLASS PROVIDES STUDENTS WITH AN IN-DEPTH LOOK AT THE CHALLENGES AND OPPORTUNITIES THAT ARE ROUTINELY FACED BY A MANAGER IN THE CONTEXT OF EVENTS AT ENTERTAINMENT, SPORT AND EVENT FACILITIES. 3 CREDITS.

**HEM420 EVENT & PRODUCTION MANAGEMENT** THIS COURSE IS DESIGNED TO ACQUIRE AN IN-DEPTH KNOWLEDGE ABOUT THE SPECIALIZED FIELD OF EVENT MANAGEMENT; EMPHASIS WILL BE PLACED ON THE FOLLOWING BROAD BASED SECTORS INCLUDING BUT NOT LIMITED TO SPORT, ENTERTAINMENT, AND HOSPITALITY INDUSTRIES. STUDENTS WILL BE PROVIDED WITH A COMPLETE UNDERSTANDING OF MANAGEMENT TECHNIQUES AND STRATEGIES REQUIRED FOR SUCCESSFUL PLANNING, PROMOTION, IMPLEMENTATION, AND EVALUATIONS. STUDENTS WILL STUDY OBJECTIVES, STRATEGIES, AND TACTICS OF EVENT MANAGEMENT; IDENTIFY COSTS FOR EVENTS AND POTENTIAL REVENUE STREAMS; SELECT HOST CITIES AND VENUES; UNDERSTAND THE EVENT PLANNING PROCESS; AND UNDERSTAND THE ACCOMMODATION AND MANAGEMENT OF GUESTS AT EVENTS. EMPHASIS WILL BE PLACED ON THE SIMULATED PRODUCTION AND MANAGEMENT OF AN ACTUAL EVENT. THIS COURSE IS REQUIRED FOR BOTH SPORT & ENTERTAINMENT MANAGEMENT AND HOSPITALITY & EVENT MANAGEMENT MAJORS. 3 CREDITS.

**HEM 453 HOSPITALITY & EVENT MANGEMENT POLICY** THIS COURSE IS DESIGNED TO LOOK AT THE TOTAL ENVIRONMENT OF THE HOSPITALITY AND EVENT MANAGEMENT BUSINESS SECTOR. CONCEPTS DEVELOPED IN OTHER BUSINESS AND HOSPITALITY AND EVENT MANAGEMENT COURSES WILL BE IMPLEMENTED INTO A CULMINATING RESEARCH PROJECT. ACTUAL HOSPITALITY MARKETING AND EVENT MANAGEMENT ISSUES CURRENTLY BEING ADDRESSED AT AN ORGANIZATION OR INSTITUTION WILL BE STUDIED. 3CREDIT HOURS. PREREQUISITE: SENIOR STANDING IN MAJOR 3 CREDITS.

## **HUMAN RESOURCES**

**AL 266 STAFFING** INTRODUCES STUDENTS TO THE PRINCIPLES AND FUNCTIONS OF STAFFING TO ENABLE THE DESIGN AND MANAGEMENT OF A SUCCESSFUL STAFFING PROCESS, INCLUDING LEGAL COMPLIANCE, INTERNAL AND EXTERNAL RECRUITMENT, INTERVIEWING AND RETENTION. 3 CREDITS.

**AL 269 WORKPLACE HEALTH AND SAFETY** WILL PROVIDE STUDENTS WITH THE BASIC KNOWLEDGE AND PRINCIPLES OF THE FIELD OF OCCUPATIONAL SAFETY AND HEALTH. THIS COURSE IS DESIGNED TO PROVIDE STUDENTS WITH AN UNDERSTANDING AND APPRECIATION FOR THE FUNDAMENTAL SAFETY TECHNOLOGY AND MANAGEMENT NEEDS OF THE SAFETY DIRECTOR. 3 CREDITS.

**AL 472 MANAGING CHANGE** ENGAGES STUDENTS IN THE ANALYSIS OF AN ORGANIZATION'S NEEDS AND THE DEVELOPMENT OF A PLAN TO INFLUENCE MAJOR ORGANIZATIONAL CHANGE FROM THE HUMAN RESOURCES PERSPECTIVE. 3 CREDITS.

## LIBERAL ARTS

**LA 103 COLLEGE, CAREER & CALLING** ORIENTS STUDENTS TO CONCORDIA UNIVERSITY AND HOW TO BE SUCCESSFUL IN THE COLLEGE EXPERIENCE; PROVIDES FOUNDATIONAL CAREER PREPARATION AS STUDENTS COMPLETE CAREER ASSESSMENTS AND CONDUCT CAREER RESEARCH TO IDENTIFY OR CONFIRM THEIR CAREER DIRECTION AS WELL AS DEVELOP A RESUME, COVER LETTER AND LINKEDIN PROFILE; AND, ENGAGES STUDENTS IN THE EXPLORATION OF CHRISTIAN VOCATION AND THEIR UNIQUE CALLINGS. FULFILLS THE UNIVERSITY EXPERIENCE CORE REQUIREMENT. 3 CREDITS.

## LANGUAGE ARTS

**LAN 435 LITERATURE FOR YOUNG ADULTS** STUDENTS RECEIVE A GENERAL SURVEY OF THE WIDE BODY OF LITERATURE WHICH IS AVAILABLE FOR USE WITH ADOLESCENTS, AS WELL AS CRITERIA FOR EVALUATION AND PRESENTATION OF A VARIETY OF TECHNIQUES FOR TEACHING SUCH LITERATURE. 3 CREDITS.

**LAN 437 CHILDREN'S LITERATURE** PROVIDES A GENERAL SURVEY OF THE WIDE BODY OF LITERATURE THAT IS AVAILABLE TO USE WITH CHILDREN, AS WELL AS CRITERIA FOR EVALUATION AND PRESENTATION OF A VARIETY OF TECHNIQUES FOR TEACHING SUCH LITERATURE. 3 CREDITS.

## LATIN

**LAT 105 LATIN I** THIS COURSE INTRODUCES THE RUDIMENTARY ELEMENTS OF LATIN GRAMMAR, SYNTAX, VOCABULARY, PRONUNCIATION, AND TRANSLATION. STUDENTS ALSO RECEIVE AN INTRODUCTION INTO THE TECHNICAL DISCOURSE OF GRAMMATICAL ANALYSIS. AN ADDITIONAL HOUR OF LABORATORY WORK IS REQUIRED WEEKLY. 3 CREDITS.

**LAT 106 LATIN II** A CONTINUATION OF ELEMENTARY LATIN I. AS WITH LAT101, AN ADDITIONAL HOUR OF LABORATORY WORK IS REQUIRED WEEKLY. 3 CREDITS.

## MATHEMATICS

**MATH 095 PRE-COLLEGE MATHEMATICS** STUDENTS LEARN FUNDAMENTAL MATH CONCEPTS INVOLVING WHOLE NUMBERS, FRACTIONS, DECIMALS, AND MIXED NUMBERS, AND SIMPLE EQUATIONS. THIS COURSE IS ESPECIALLY DESIGNED FOR STUDENTS WITH LOW BASIC MATH SKILLS. NO COLLEGE CREDIT AWARDED.

**MATH 101 BEGINNING ALGEBRA** STUDENTS LEARN FUNDAMENTAL CONCEPTS INVOLVING SETS, WHOLE NUMBERS, INTEGERS, AND RATIONAL NUMBERS, LINEAR AND QUADRATIC EQUATIONS, AND USE BASIC ALGEBRAIC OPERATIONS TO SOLVE PROBLEMS. 3 CREDITS (DOES NOT SATISFY THE MATHEMATICS REQUIREMENT IN THE CORE)

**MATH 119 NUMBER SENSE: TEACHING PRE K-9** THE FIRST COURSE IN A TWO-COURSE SEQUENCE THAT PRESENTS AN INTEGRATED APPROACH TO MATHEMATICS CONTENT AND METHODS APPROPRIATE FOR EARLY CHILDHOOD, ELEMENTARY, AND MIDDLE SCHOOL PRE-SERVICE TEACHERS. EMPHASIS IS ON CONSTRUCTING KNOWLEDGE THROUGH PROBLEM SOLVING, COMMUNICATION, REASONING, CONNECTING MATHEMATICAL IDEAS, REPRESENTATION, AND GENERALIZATION. PRE-SERVICE TEACHERS WILL DEVELOP THEIR CONCEPTUAL UNDERSTANDING OF "NUMBER". SPECIFIC NUMBER SENSE TOPICS INCLUDE NUMERATION SYSTEMS, NUMBER THEORY, CONCEPTS OF NUMBERS AND OPERATIONS (WHOLE NUMBERS, INTEGERS, FRACTIONS, DECIMALS, PERCENTS, AND RATIOS), ESTIMATION, AND PROPORTIONAL REASONING. PRESERVICE TEACHERS WILL INVENT STRATEGIES TO SOLVE COMPUTATIONS. 3 CREDITS.

**MATH 120 DATA & SPACE: TEACHING PRE K-9** THE SECOND COURSE IN A TWO-COURSE SEQUENCE THAT PRESENTS AN INTEGRATED APPROACH TO MATHEMATICS CONTENT AND METHODS APPROPRIATE FOR EARLY CHILDHOOD, ELEMENTARY, AND MIDDLE SCHOOL PRE-SERVICE TEACHERS. EMPHASIS IS ON CONSTRUCTING KNOWLEDGE THROUGH PROBLEM SOLVING, COMMUNICATION, REASONING, CONNECTING MATHEMATICAL IDEAS, REPRESENTATION, AND GENERALIZATION. PRE-SERVICE TEACHERS WILL DEVELOP THEIR CONCEPTUAL UNDERSTANDING OF "UNCERTAINTY" AND "GEOMETRY". TOPICS INCLUDE COLLECTING, REPRESENTING AND ANALYZING DATA; CONCEPTS OF CHANCE; STRATEGIES FOR DETERMINING PROBABILITY OF EVENTS; FUNCTIONS; PROPERTIES OF 2-D AND 3-D FIGURES; TRANSFORMATIONS, SIMILARITY AND SYMMETRIES; MEASUREMENT SYSTEMS; PERIMETER, AREA, VOLUME, AND SURFACE AREA; AND TOPOLOGY. 3 CREDITS

**MATH 121 INTERMEDIATE ALGEBRA** STUDENTS LEARN FUNDAMENTAL CONCEPTS AND SOLVE PROBLEMS INVOLVING RATIONAL AND RADICAL EXPRESSIONS; INEQUALITIES; LINEAR, QUADRATIC AND EXPONENTIAL FUNCTIONS; AND SYSTEMS OF LINEAR EQUATIONS. 3 CREDITS (DOES NOT SATISFY THE MATHEMATICS REQUIREMENT IN THE CORE)

**MATH 125 CONTEMPORARY MATHEMATICS** STUDIES PROBLEM SOLVING, STRUCTURE AND PROPERTIES OF THE REAL NUMBER SYSTEMS, NUMBER THEORY, PRINCIPLES OF DESCRIPTIVE AND INFERENCE STATISTICS, PROBABILITY AND GEOMETRY TOPICS. EMPHASIS IS ON APPLICATION TO REAL LIFE SITUATIONS. FULFILLS THE MATHEMATICS CORE REQUIREMENT. 3 CREDITS.

**MATH 128 COLLEGE ALGEBRA** THIS COURSE COVERS THE REAL NUMBER SYSTEM, EXPONENTS AND RADICALS, POLYNOMIAL EQUATIONS, SYSTEM OF EQUATIONS, INTRODUCTION TO MATRICES, INEQUALITIES, POLYNOMIAL, RATIONAL, EXPONENTIAL AND LOGARITHMIC FUNCTIONS AND THEIR GRAPHS. FULFILLS THE MATHEMATICS CORE REQUIREMENT. 3 CREDITS.

**MATH 150 TRIGONOMETRY** TOPICS STUDIED IN THIS COURSE INCLUDE TRIGONOMETRIC FUNCTIONS, IDENTITIES, TRANSCENDENTAL AND INVERSE TRIGONOMETRIC FUNCTIONS, AND TRIGONOMETRIC EQUATIONS. 3 CREDITS

**MATH 201 CALCULUS I** PLANE ANALYTIC GEOMETRY, FUNCTIONS, INTRODUCTION TO LIMITS AND CONTINUITY, THE DERIVATIVE, CURVE SKETCHING USING DERIVATIVES, APPLICATIONS OF THE DERIVATIVE, RIEMANN INTEGRALS, INDEFINITE INTEGRATION, AND THE FUNDAMENTAL THEOREM OF CALCULUS. 4 CREDITS

**MATH 202 CALCULUS II** APPLICATIONS OF INTEGRATION INCLUDING VOLUME AND SURFACE AREA, INTEGRATION TECHNIQUES, L'HOPITAL'S RULE, SEQUENCES AND SERIES, POWER SERIES REPRESENTATIONS OF FUNCTIONS, PARAMETRIC EQUATIONS AND POLAR COORDINATES. 4 CREDITS.

**MATH 203 CALCULUS III** VECTORS IN TWO AND THREE DIMENSIONS, VECTOR-VALUED FUNCTIONS AND THEIR APPLICATIONS, FUNCTIONS OF SEVERAL VARIABLES, PARTIAL DERIVATIVES, MULTIPLE INTEGRALS, INTRODUCTION TO VECTOR CALCULUS INCLUDING VECTOR FIELDS, LINE INTEGRALS, AND SURFACE INTEGRALS. 4 CREDITS

**MATH 205 STATISTICS I** A BASIC COURSE IN DESCRIPTIVE AND INFERENCE STATISTICS FOR STUDENTS OF THE NATURAL AND SOCIAL SCIENCES AND BUSINESS. INCLUDES APPLICATIONS OF PARAMETRIC AND NON-PARAMETRIC STATISTICS TO DATA ANALYSIS PROBLEMS. FULFILLS THE MATHEMATICS CORE REQUIREMENT. 3 CREDITS.

**MATH 220 DISCRETE MATHEMATICS** COURSE INTRODUCES THE FOUNDATIONS OF DISCRETE MATHEMATICS WITH APPLICATIONS TO COMPUTER SCIENCE. IT PROVIDES A BASIS IN DISCRETE MATHEMATICAL STRUCTURES AND A RIGOROUS INTRODUCTION TO THE THEORETICAL FRAMEWORK NECESSARY FOR SUBSEQUENT WORK IN ADVANCED DISCRETE MATHEMATICS, THEORY OF COMPUTATION, DATABASE DESIGN, COMPILER DESIGN, AND OTHER THEORETICALLY GROUNDED COMPUTER SCIENCE COURSES. TOPICS INCLUDE FUNCTIONS AND RELATIONS, PROPOSITIONAL LOGIC, BOOLEAN ALGEBRA, GRAPH THEORY AND STRUCTURES, AND AN INTRODUCTION TO PROOF TECHNIQUES. 3 CREDITS.

**MATH 231 LINEAR ALGEBRA** INTRODUCTORY LINEAR ALGEBRA INCLUDING MATRIX ALGEBRA, LINEAR TRANSFORMATIONS, VECTORS AND VECTOR GEOMETRY, AND VECTOR SPACES. 3 CREDITS.

**MATH 305 STATISTICS II** IS A COURSE DESIGNED TO CONTINUE THE STUDENT'S BACKGROUND IN PROBABILITY AND STATISTICS. STUDENTS EXAMINE ANOVA, TWO SAMPLE TESTS, REGRESSION AND MULTIPLE REGRESSION, NON-PARAMETRIC STATISTICS, AND THE CHI-SQUARE DISTRIBUTION. PREREQUISITES: MATH 197 OR MATH 201 AND MATH 205. 3 CREDITS.

**MATH 321 ABSTRACT ALGEBRA** INTRODUCTION TO ABSTRACT ALGEBRA INCLUDING NAIVE SET THEORY, MAPPINGS, RELATIONS, ELEMENTARY NUMBER THEORY, GROUPS, ISOMORPHISMS AND HOMOMORPHISMS. 3 CREDITS.

**MATH 331 GEOMETRY** A SURVEY OF AXIOMATIC SYSTEMS, EUCLIDEAN GEOMETRY, AND NON-EUCLIDEAN GEOMETRIES SUCH AS FINITE, PROJECTIVE, AND HYPERBOLIC. 3 CREDITS.

**MATH 341 DIFFERENTIAL EQUATIONS** INTRODUCTION TO ORDINARY DIFFERENTIAL EQUATIONS, INCLUDING LINEAR AND NONLINEAR EQUATIONS OF FIRST AND HIGHER ORDERS. SYSTEMS OF EQUATIONS, NUMERICAL SOLUTIONS AND SELECT APPLICATIONS IN SCIENCE AND ENGINEERING. 3 CREDITS

**MATH 441 REAL ANALYSIS** LOGIC, SETS, TECHNIQUES OF PROOF, DEVELOPMENT AND TOPOLOGY OF THE REAL NUMBER SYSTEM, FUNCTIONS, SEQUENCES AND SERIES OF REAL NUMBERS AND FUNCTIONS, CONTINUITY, RIGOROUS TREATMENT OF DIFFERENTIATION AND INTEGRATION. 3 CREDITS.

**MATH 461 PROBABILITY AND STATISTICS** BASIC PROBABILITY THEORY; RANDOM VARIABLES, SINGLE, JOINT, CONDITIONAL AND MARGINAL PROBABILITY DISTRIBUTIONS; EXPECTATION, VARIANCE, COVARIANCE AND OTHER MOMENTS AND MOMENT GENERATING FUNCTIONS. 3 CREDITS.

**MATH 490 MATHEMATICS SENIOR SEMINAR** A CULMINATING EXPERIENCE IN WHICH STUDENT USES SKILLS AND KNOWLEDGE ACQUIRED IN PREVIOUS PREPARATION IN THE EXECUTION OF AN ORIGINAL (TO THE STUDENT) PROJECT DEALING WITH AN ISSUE, QUESTION OR PROBLEM OF IMPORTANCE IN THE NATURAL SCIENCES OR MATHEMATICS. RESULTS OF THE PROJECT ARE COMMUNICATED IN AN ORAL PUBLIC PRESENTATION AND A WRITTEN PAPER. 3 CREDITS.

## MANAGEMENT

**MGMT 130 PRINCIPLES OF MANAGEMENT (w)** THIS COURSE INTRODUCES THE STUDENT TO THE FUNDAMENTAL PRINCIPLES AND PRACTICES OF MANAGEMENT. AFTER A BRIEF HISTORICAL REVIEW, THE CONCEPTS OF ORGANIZATIONAL CULTURE, GLOBALIZATION, AND SOCIAL RESPONSIBILITY ARE EXAMINED. THE BASIC FUNCTIONS OF MANAGEMENT -- PLANNING, ORGANIZING, LEADING, AND CONTROLLING -- ARE STUDIED IN DEPTH. 3 CREDITS.

**MGMT 336 HUMAN RESOURCE MANAGEMENT** STUDENTS LEARN THE KEY CONCEPTS IN BUILDING AND MAINTAINING THE HUMAN RESOURCE FUNCTION IN BUSINESS IN THIS COURSE. TOPICS COVERED INCLUDE HUMAN RESOURCE PLANNING, JOB ANALYSIS, COMPENSATION SYSTEMS, EMPLOYEE RECRUITMENT AND RETENTION, AND PERFORMANCE MANAGEMENT AND ANALYSIS. THE COURSE IS FRAMED WITHIN THE LEGAL AND ETHICAL ISSUES FACING MANAGEMENT TODAY. 3 CREDITS.

**MGMT 340 ORGANIZATIONAL BEHAVIOR** REVIEWS THE ORGANIZATIONAL ASPECTS OF SOCIETY INCLUDING RELATIONSHIPS AMONG INDIVIDUALS AND GROUPS. INCORPORATES A SYSTEMS APPROACH TO UNDERSTANDING WORK RELATIONSHIPS BY CONTRASTING INDIVIDUAL NEEDS, TRAITS AND ABILITIES WITH ORGANIZATIONAL STRUCTURE, GOALS, AND CULTURES. 3 CREDITS.

**MGMT 360 SMALL BUSINESS ADMINISTRATION** THIS COURSE PROVIDES STUDENTS WITH AN OVERVIEW OF THE DIFFERENT TASKS AND RESPONSIBILITIES ASSOCIATED WITH THE GENERAL MANAGEMENT OF A SMALL BUSINESS OR NON-PROFIT ENTERPRISE. TOPICS INCLUDE PLANNING, ORGANIZING, LEADING, AND CONTROLLING IN THE CONTEXT OF A SMALL ORGANIZATION, AS WELL AS GROUP DYNAMICS AND DECISION-MAKING, CONFLICT RESOLUTION, MANAGING DIVERSITY, AND ORGANIZATIONAL CULTURE AND EFFECTIVENESS. MANAGEMENT'S SOCIAL AND ETHICAL RESPONSIBILITIES ARE EXAMINED. CHALLENGES POSED BY THE TRANSITION FROM ENTREPRENEURIAL START-UP TO MATURE ORGANIZATIONS ARE DISCUSSED. SPECIAL ISSUES THAT ARISE IN FAMILY OWNED AND OPERATED FIRMS ARE ALSO EXPLORED. 3 CREDITS.

**MGMT 429 PRODUCTION/OPERATIONS MANAGEMENT** THIS COURSE DETAILS THE PLANNING, COORDINATION, AND EXECUTION OF ACTIVITIES THAT CREATE GOODS AND SERVICES. STUDENTS WILL GAIN KNOWLEDGE OF THE METHODS FOR DESIGNING AND IMPROVING OPERATIONAL FUNCTIONS, THEIR SYSTEMS, AND THE PROCESSES NECESSARY FOR THE EFFICIENT DELIVERY OF GOODS AND SERVICES TO CUSTOMERS. 3 CREDITS.

**MGMT 450 INTERNATIONAL BUSINESS MANAGEMENT** THIS COURSE EXAMINES THE PRINCIPLES AND PRACTICES OF BUSINESS AND MANAGEMENT IN THE GLOBAL ENVIRONMENT. THE STUDENT WILL GAIN UNDERSTANDING OF THE CONCEPTS UNDERLYING INTERNATIONAL TRADE AND MANAGING ACROSS CULTURES. THE IMPACT OF SOCIO-POLITICAL, ETHICAL, ENVIRONMENTAL, AND LEGAL ISSUES ON INTERNATIONAL AND DOMESTIC FIRMS IS STUDIED. 3 CREDITS.

## MARKETING

**MKTG 131 PRINCIPLES OF MARKETING (w)** STUDIES THE BASICS OF MARKETING'S ROLES IN SOCIETY AND WITHIN THE FIRM. THIS COVERS MARKETING HISTORY, THE PRESENT DAY PRACTICES, AND FUTURE PROJECTIONS. 3 CREDITS.

**MKTG 223 PUBLIC RELATIONS** SURVEYS THE TECHNIQUES AND PROCEDURES USED TO SECURE PUBLICITY IN BUSINESS AND POLITICS, AS WELL AS MANAGE RESPONSES TO PUBLIC ISSUES AFFECTING THE PUBLICITY-SEEKING BUSINESS, PERSON, OR ORGANIZATION. TOPICS COVERED INCLUDE: IDENTIFYING PUBLICS, MEDIA USE, MESSAGE PREPARATION AND DISSEMINATION, STRATEGY, AND ETHICAL AND LEGAL CONCERNS. CROSSLISTED COMM 223. 3 CREDITS.

**MKTG 304 RETAIL MANAGEMENT** EXAMINES THE INTERRELATIONSHIPS OF THE TOTAL RETAIL BUSINESS ACTIVITY. SINCE RETAILING INVOLVES THE SALE OF GOODS AND SERVICES TO THE ULTIMATE CONSUMER FOR PERSONAL, FAMILY, OR HOUSEHOLD USE, THE STRATEGIC PROCESSES OF DETERMINING LOCATION, BUYING, STOCK CONTROL, MERCHANDISING, ACCOUNTING, FINANCE, AND ORGANIZATION ARE PRESENTED WITHIN THAT CONTEXT. PREREQUISITE: MKTG 131. 3 CREDITS.

**MKTG 325 PROMOTION AND ADVERTISING** ANALYSES CURRENT ADVERTISING PROCEDURES. TOPICS INCLUDE METHODS OF APPROACH AND APPEAL; BASIC CAMPAIGN STRATEGY, COPY, VISUALIZATION AND LAYOUT; MECHANICAL PRODUCTION; RELATIONSHIP OF BEHAVIORAL SCIENCES TO ADVERTISING, THEIR USE AND SELECTION; PACKAGING, BRAND IDENTIFICATION AND PROMOTION; AND MARKET RESEARCH, ETHICS, AND CONSUMER PROTECTION. PREREQUISITE: MKTG 131. 3 CREDITS.

**MKTG 345 E-COMMERCE** EXAMINES FROM A MARKETING PERSPECTIVE THE IMPACT, CHALLENGES, OPPORTUNITIES, AND COSTS OF USING THE INTERNET AND INTRANETS AS INTEGRAL TOOLS IN BUSINESS, INCLUDING BUSINESS-TO-BUSINESS AND BUSINESS-TO-CONSUMER OPERATIONS. TOPICS COVERED IN THE COURSE INCLUDE: BENEFITS AND LIMITATIONS OF EC, E-TAILING, B2B EC, EFFECT OF EC ON CUSTOMER RELATIONS, EC AND PROCUREMENT, EC AND INVENTORY MANAGEMENT, EC PAYMENT SYSTEMS, LEGAL AND ETHICAL CONCERNS. THE FOCUS OF THE COURSE IS ON EC WITHIN THE DISCIPLINE OF MARKETING; HOWEVER, THE COURSE WILL ALSO BRIEFLY REVIEW WEB PAGE DESIGN AND MAINTENANCE, WEB PROGRAMMING PRINCIPLES, AND WEB SOFTWARE AGENTS. 3 CREDITS.

**MKTG 422 MARKETING MANAGEMENT** STUDIES MARKETING AND THE RELATED MANAGEMENT FUNCTIONS. PREREQUISITES: MKTG 131, ECON 231, AND ECON222. 3 CREDITS.

**MKTG 426 MARKETING RESEARCH** PRESENTS THE METHODS AND MEASUREMENTS APPROPRIATE FOR DERIVING MEANING FOR PROBLEMS CONCERNED WITH DECISIONAL RESEARCH. CASES DEMONSTRATE THE CONCEPTS AND TECHNIQUES OF DECISIONAL RESEARCH CONSTRAINED BY TIME AND ECONOMIC CONSIDERATIONS. PREREQUISITES: MKTG 131 AND BUS 315. OR INSTRUCTOR APPROVAL. 3 CREDITS.

**MKTG 440 INTERNATIONAL MARKETING** STUDIES MARKETING PRINCIPLES FROM AN INTERNATIONAL PERSPECTIVE. IT VIEWS THE BARRIERS TO AND BENEFITS DERIVED THEREFROM. PREREQUISITES: ECON 231, FIN 300, AND MKTG 131. 3 CREDITS.

## MUSIC

**MUS 171 CREATIVE ARTS – MUSIC** PROVIDES STUDENTS WITH AN OPPORTUNITY TO EXPERIENCE MUSIC IN ITS MANY FORMS BY LEARNING THE ELEMENTS OF MUSIC AND STUDYING HOW THESE ELEMENTS ARE USED IN VARIOUS STYLES. THIS COURSE IS FOR NON-MUSIC MAJORS ONLY. 3 CREDIT HOURS.



**MUS 181 CONCORDIA WIND ENSEMBLE** THE CONCORDIA WIND ENSEMBLE IS OPEN TO STUDENTS PLAYING WOODWIND, BRASS, AND PERCUSSION INSTRUMENTS. PERFORMS CONCERTS THROUGHOUT THE ACADEMIC YEAR. PARTICIPATION IN ANNUAL TOUR IS REQUIRED. MEMBERSHIP BY AUDITION ONLY. 1 CREDIT.

**MUS 182 CONCORDIA CHOIR** IS A MIXED VOICE ENSEMBLE OF UP TO 55 VOICES WHICH SINGS IN SEVERAL MAJOR ON-CAMPUS SETTINGS AND FOR WEEKLY CHAPEL SERVICES. OPEN TO ALL STUDENTS, FACULTY, AND STAFF. MEMBERSHIP IS BY AUDITION ONLY. 1 CREDIT.

**MUS 188 JAZZ ENSEMBLE** STUDIES AND PERFORMS THE REPERTOIRE OF THE VARIOUS JAZZ IDIOMS INCLUDING SWING, BE-BOP, BLUES, BIG-BAND AND CONTEMPORARY FUSION. THE ENSEMBLE SEEKS TO PROVIDE A COMPREHENSIVE STUDY OF THE PERFORMANCE REPERTOIRE FOR BOTH THE PLAYERS AND ITS AUDIENCES. 1 CREDIT.

**MUS 190 STRING ENSEMBLE** THE STRING ENSEMBLE IS OPEN TO STUDENTS WITH PREVIOUS EXPERIENCE PLAYING STRING INSTRUMENTS. PERFORMS CONCERTS THROUGHOUT THE ACADEMIC YEAR. MEMBERSHIP BY AUDITION ONLY. 1 CREDIT.

**MUS 193 WOMEN'S CHORALE** IS A NON-AUDITIONED CHOIR FOR WOMEN. WOMEN'S CHORALE SINGS A WIDE RANGE OF LITERATURE WRITTEN FOR WOMEN'S VOICES. 1 CREDIT.

**MUS 196 PERCUSSION ENSEMBLE** SMALL ENSEMBLE OF UP TO 20 STUDENTS DEDICATED TO PERFORMING MUSIC WRITTEN FOR PERCUSSION INSTRUMENTS OF ALL TYPES. NO PREVIOUS PERCUSSION EXPERIENCE NECESSARY, BUT AN ABILITY TO READ MUSIC IS REQUIRED. 1 CREDIT.

**MUS 203 BEGINNING PIANO I** THIS COURSE IS A DISCOVERY OF MUSIC FUNDAMENTALS (E.G. MUSIC NOTATION, KEY SIGNATURES, CHORDS, MUSICAL SYMBOLS AND TERMINOLOGY, MAJOR AND MINOR MODE, SCALES, AND ARPEGGIOS), BEGINNING IMPROVISATION, HARMONIZING MELODIES, AND REPERTORY PIECES. NO PRE-REQUISITE IS REQUIRED. 1 CREDIT.

**MUS 204 KEYBOARD SKILLS** THIS COURSE WILL ENABLE THE STUDENT TO DEVELOP SKILLS OF SIGHT READING, ACCOMPANIMENT AND HYMN PLAYING AT THE KEYBOARD. 2 CREDITS.

**MUS 205 INTRO TO MULTIMEDIA PRODUCTION** THIS COURSE WILL INTRODUCE THE STUDENT TO VARIOUS FORMS OF MUSIC TECHNOLOGY FOR BASIC SEQUENCING, RECORDING, SCORE PRODUCTION, AND SOUND AMPLIFICATION. THESE TECHNIQUES WILL BE APPLIED IN THE PRODUCTION OF ORIGINAL COMPOSITIONS, IMPROVISATIONS, AND ARRANGEMENTS. 2 CREDITS.

**MUS 206 BEGINNING PIANO II** DISCOVERY OF MUSIC FUNDAMENTALS (E.G. MUSIC NOTATION, KEY SIGNATURES, CHORDS, MUSICAL SYMBOLS AND TERMINOLOGY, MAJOR AND MINOR MODE, SCALES, AND ARPEGGIOS), BEGINNING IMPROVISATION, HARMONIZING MELODIES, AND REPERTORY PIECES. 1 CREDIT.

**MUS 215 VOCAL TECHNIQUES** WILL EQUIP FUTURE CHORAL CONDUCTORS AND VOICE TEACHERS WITH BASIC VOCAL PEDAGOGICAL KNOWLEDGE. THE VARYING NEEDS OF CHURCH CHOIRS, CHILDREN'S CHOIRS, TEEN CHOIRS, AND ADULT CHOIRS, INCLUDING WARM-UPS AND DICTION, WILL BE EXAMINED. 1 CREDIT.

**MUS 216 VOCAL ARTS LAB** PROVIDES VOICE STUDENTS WITH WEEKLY OPPORTUNITIES TO PERFORM REPERTOIRE STUDIED IN PRIVATE VOICE LESSONS IN MULTI-TOPICAL MASTER CLASSES. 1 CREDIT.

**MUS 240 MUSIC THEORY I** STUDENTS EXAMINE PART WRITING USING FUNDAMENTAL TRIADS AND THEIR INVERSION. 3 CREDITS.

**MUS 241 MUSIC THEORY II** THIS COURSE PRESENTS NON-HARMONIC TONES, MODULATION AND SEVENTH CHORDS IN PART WRITING. CHORALE SETTINGS OF THE EIGHTEENTH CENTURY. 3 CREDITS.

**MUS 242 MUSIC THEORY III** THE STUDY AND APPLICATION OF CONTRAPUNTAL TECHNIQUES OF THE SIXTEENTH THROUGH THE EIGHTEENTH CENTURIES AND THE TONAL RESOURCES OF THE NINETEENTH CENTURY. EMPHASIS ON ANALYSIS AND COMPOSITION. 3 CREDITS.

**MUS 243 MUSIC THEORY IV** PROVIDES STUDY AND APPLICATION OF THE TONAL, RHYTHMIC AND FORMAL RESOURCES OF THE TWENTIETH CENTURY. EMPHASIS ON ANALYSIS AND COMPOSITION. 3 CREDITS.

**MUS 246 AURAL THEORY I** PROVIDES STUDENTS WITH THE KNOWLEDGE TO READ AT SIGHT, NOTATE, AND IMPROVISE SHORT MUSICAL EXAMPLES. 1 CREDIT.

**MUS 247 AURAL THEORY II** THIS COURSE PROVIDES STUDENTS WITH THE KNOWLEDGE TO SIGHTREAD, NOTATE, AND IMPROVISE SHORT MUSICAL EXAMPLES. 1 CREDIT.

**MUS 248 AURAL THEORY III** PROVIDES STUDENTS WITH THE KNOWLEDGE TO SIGHTREAD, NOTATE, AND IMPROVISE SHORT MUSICAL EXAMPLES. 1 CREDIT.

**MUS 250 BEGINNING CONDUCTING** STUDENTS LEARN THE ESSENTIAL ELEMENTS OF CHORAL AND INSTRUMENTAL CONDUCTING CORRELATED WITH EAR TRAINING, PROGRESSING FROM SINGLE LINE TO SIMPLE FOUR PART CHORAL AND INSTRUMENTAL MATERIALS. 3 CREDITS.

**MUS 251 AURAL THEORY IV** PROVIDES STUDY AND APPLICATION OF THE TONAL, RHYTHMIC AND FORMAL RESOURCES OF THE TWENTIETH CENTURY. EMPHASIS ON ANALYSIS AND COMPOSITION. 1 CREDIT.

**MUS 271 MUSIC HISTORY I (w)** THE DEVELOPMENT OF MUSIC FROM ANTIQUITY TO ABOUT 1750. EMPHASIS UPON THE THEORETICAL AND AESTHETIC FOUNDATIONS OF WESTERN MUSIC DURING THIS TIME. 3 CREDITS.

**MUS 272 MUSIC HISTORY II (w)** THE DEVELOPMENT OF MUSIC FROM 1750 TO THE PRESENT. EMPHASIS UPON THE MONUMENTS OF MUSIC AND THE COMPOSITIONAL PROCEDURES EXHIBITED IN THE MUSICAL GENRE OF THIS TIME. 3 CREDITS.

**MUS 340 WORLD MUSIC** AN INTRODUCTION TO THE MUSIC OF THE WORLD'S PEOPLE. THIS COURSE IS AN INTRODUCTION TO WORLD MUSIC AND WILL ENABLE THE STUDENT TO EXPERIENCE AND UNDERSTAND THE MEANINGS OF MUSIC IN THE LIVES OF DIVERSE HUMAN COMMUNITIES. 3 CREDITS.

**MUS 351 ADVANCED CONDUCTING** ADVANCED CHORAL AND INSTRUMENTAL CONDUCTING CORRELATED WITH EAR TRAINING. ADVANCED LITERATURE FOR VOICES AND INSTRUMENTS. 3 CREDITS.

**MUS 352 MUSIC TECHNOLOGY** THIS COURSE WILL INTRODUCE THE STUDENT TO VARIOUS FORMS OF MUSIC TECHNOLOGY FOR BASIC SEQUENCING, RECORDING, SCORE PRODUCTION, AND SOUND AMPLIFICATION. THESE TECHNIQUES WILL BE APPLIED IN THE PRODUCTION OF ORIGINAL COMPOSITIONS, IMPROVISATIONS AND ARRANGEMENTS. 2 CREDITS.

**MUS 356 TECHNIQUES OF TEACHING BRASS** STUDENTS GAIN FUNDAMENTAL SKILLS FOR PLAYING BRASS INSTRUMENTS. APPLICATION TO DEVELOPMENT OF SCHOOL INSTRUMENTAL PROGRAMS. 2 CREDITS.

**MUS 357 TECHNIQUES OF TEACHING WOODWINDS** FUNDAMENTAL KNOWLEDGE AND SKILLS FOR PLAYING AND TEACHING WOODWIND INSTRUMENTS. APPLICATION TO DEVELOPMENT OF SCHOOL INSTRUMENTAL PROGRAMS. 2 CREDITS.

**MUS 358 TECHNIQUES OF TEACHING PERCUSSION** FUNDAMENTAL SKILLS FOR PLAYING PERCUSSION INSTRUMENTS. APPLICATION TO DEVELOPMENT OF SCHOOL MUSIC PROGRAMS. 2 CREDITS.

**MUS 359 TECHNIQUES OF TEACHING STRINGS** INCLUDES INSTRUCTION IN BASIC STRING TECHNIQUE AND ITS DEVELOPMENT. COVERS THE BASIC TECHNIQUE ON VIOLIN, VIOLA, CELLO, DOUBLE BASS. INCLUDES SOME LITERATURE REFERENCES AND APPLICATION OF SOLO AND ENSEMBLE PERFORMANCE. 2 CREDITS.

**MUS 445 COMPOSING AND ARRANGING** EXPLORES THE ROLE OF THE CHURCH MUSICIAN AS COMPOSER AND ARRANGER. ASSIGNMENTS RELATED TO THE SPECIFIC NEEDS OF THE PARISH: ORCHESTRATION, HYMN REHARMONIZATIONS, ARRANGING HYMNODY AND COMPOSITION OF ORIGINAL MATERIAL. PREREQUISITE: MUS 242 OR CONSENT OF INSTRUCTOR. 3 CREDITS.

**MUS 499 SENIOR RECITAL** A CONCENTRATED SEMESTER OF STUDY IN A PRINCIPAL INSTRUMENT OR VOICE, CULMINATING IN THE SENIOR RECITAL; THIS SERVES AS THE SENIOR PROJECT FOR MUSIC MAJORS AND MUSIC EDUCATION MAJORS. 1 OR MORE CREDITS.

## APPLIED MUSIC

PRIVATE STUDY IS OFFERED IN VOICE, PIANO, ORGAN AND MOST WIND AND STRING INSTRUMENTS. ALL INSTRUCTION IS OBTAINED BY COMPLETING AN "ADD" FORM FOR THE COURSE, SIGNED BY THE APPLIED MUSIC INSTRUCTOR. BEGINNING LEVEL VOICE AND PIANO STUDENTS MAY BE ADVISED TO BEGIN WITH CLASS VOICE AND CLASS PIANO. PROSPECTIVE ORGAN STUDENTS NEED A SOLID KEYBOARD BACKGROUND BEFORE BEGINNING ORGAN INSTRUCTION. THERE IS AN ADDITION PER CREDIT FEE FOR APPLIED MUSIC (NOT FOR CLASS VOICE AND PIANO).

|                                            |                                                 |
|--------------------------------------------|-------------------------------------------------|
| MUS 201, MUS 301 APPLIED PIANO 1-2 CR./SEM | MUS 233, MUS 333 APPLIED PERCUSSION 1-2 CR./SEM |
| MUS 211, MUS 311 APPLIED VOICE 1-2 CR./SEM | MUS 234, MUS 334 APPLIED STRINGS 1-2 CR./SEM    |
| MUS 221, MUS 321 APPLIED ORGAN 1-2 CR./SEM | MUS 235, MUS 335 APPLIED GUITAR 1-2 CR./SEM     |
| MUS 232, MUS332 APPLIED BRASS 1-2 CR./SEM  | MUS 236, MUS 336 APPLIED WOODWINDS 1-2 CR./SEM  |
|                                            | MUS 237 APPLIED JAZZ 1-2 CR./SEM                |

STUDENTS MAY TRANSFER APPLIED INSTRUCTION FROM ANOTHER RECOGNIZED EDUCATIONAL INSTITUTION TO CONCORDIA UNIVERSITY SUBJECT ONLY TO DEPARTMENTAL REVIEW.

## NURSING

**NURS 301 DIMENSIONS OF PROFESSIONAL NURSING** DIMENSIONS OF PROFESSIONAL NURSING DEMONSTRATES THE INCORPORATION OF THE NEUMAN SYSTEMS MODEL (NSM) WITHIN THE NURSING PROCESS. THE STUDENT WILL ALSO BE INTRODUCED TO THE HISTORY, MISSION, AND PHILOSOPHY OF CUW AND THE SCHOOL OF NURSING, LEGAL ASPECTS OF NURSING, AND THE PROFESSION/VOCATION OF NURSING. THE STUDENT WILL ALSO EXPLORE HIS/HER PROFESSIONAL PRESENTATION, AND WRITTEN PROFESSIONAL PRESENTATION THROUGH USE OF APA WRITING STYLE. 3 CREDITS.

**NURS 331 HISTORY OF NURSING** A COURSE WHICH INTRODUCES STUDENTS TO THE CONCEPT THAT NURSING TODAY WAS FORMED BY ITS HISTORY. STUDENTS WILL EXPLORE THE DEVELOPMENT OF THE NURSING PROFESSION, THE IMPACT OF SOCIAL AND SCIENTIFIC CHANGES ON NURSING, AND NURSING'S IMPACT ON SOCIETY. 3 CREDITS.

**NURS 335 NURSING RESEARCH** TO PROVIDE STUDENTS WITH THE NECESSARY FOUNDATION, TERMINOLOGY, AND CONCEPTS TO UNDERSTAND AND UTILIZE THE RESEARCH PROCESS AND ITS RELATIONSHIP TO CLINICAL PRACTICE. THIS UNDERSTANDING WILL HELP THE BACCALAUREATE STUDENT NURSE TO REVIEW, SUMMARIZE AND CRITIQUE NURSING AND RELATED RESEARCH AND THE USE OF EVIDENCE-BASED PRACTICE IN MONITORING PATIENT OUTCOMES AND IDENTIFYING PRACTICE ISSUES. 3 CREDITS.

**NURS 342 COMMUNITY WELLNESS** THIS COURSE PROVIDES AN OVERVIEW OF THE CONCEPTS AND THEORIES RELATED TO PUBLIC HEALTH/COMMUNITY NURSING. IT EXPLORES ROLE OF THE NURSE IN DEVELOPING AND IMPLEMENTING PREVENTIONS FOR SUSTAINING AND PROMOTING HEALTH AMONG DIVERSE POPULATIONS IN COMMUNITY. PRINCIPLES OF EPIDEMIOLOGY, PUBLIC HEALTH, POPULATION-FOCUSED PRACTICE, AND COMMUNITY ASSESSMENT ARE INCLUDED. 6 CREDITS.

**NURS 442 COMPLEX NURSING SYSTEMS AND PRACTICUM FOR RNS** EXPLORES THE PRINCIPLES OF EFFECTIVE LEADERSHIP/MANAGEMENT SKILLS IN MANAGING THE HEALTH NEEDS OF INDIVIDUALS AND GROUPS. 6 CREDITS.

**NURS 492 SEMINAR IN CONTEMPORARY NURSING** THIS COURSE IS A FACULTY ADVISED SEMINAR IN WHICH THE STUDENT PRESENTS AN IN-DEPTH, INDEPENDENT STUDY OF CURRENT TOPICS, AND ISSUES AFFECTING CONTEMPORARY NURSING PRACTICE. THIS IS THE LAST COURSE IN THE BS-N COMPLETION PROGRAM THE STUDENT TAKES PRIOR TO GRADUATION. 3 CREDITS.

## PHILOSOPHY

**PHIL 101 PHILOSOPHY: THEORY AND PRACTICE** IS AN ENTRY LEVEL PHILOSOPHY COURSE FOR FRESHMEN AND SOPHOMORES. IT OFFERS AN ACCESSIBLE INTRODUCTION TO THE BASIC QUESTIONS OF PHILOSOPHY IN EPISTEMOLOGY, METAPHYSICS AND ETHICS, AND TRAINS STUDENTS IN THE USE OF THE TOOLS OF PHILOSOPHICAL ANALYSIS. STUDENTS ALSO LEARN TO EXPLORE THE IMPLICATIONS OF PHILOSOPHY FOR THEIR ACADEMIC DISCIPLINE AND VOCATION. FULFILLS THE PHILOSOPHICAL FOUNDATIONS CORE REQUIREMENT. 3 CREDITS.

**PHIL 201 CENTRAL TEXTS OF PHILOSOPHY** FAMILIARIZES THE STUDENT WITH SOME OF THE BASIC, HISTORICAL AND CONTEMPORARY TEXTS OF PHILOSOPHY. IT TEACHES STUDENTS HOW TO READ PHILOSOPHICAL TEXTS EFFECTIVELY, BY ANALYZING THEIR CLAIMS, AND EVALUATING THEIR ARGUMENTS. PRE-REQUISITE: PHIL 101. 3 CREDITS.

**PHIL 211 ELEMENTARY LOGIC** IS A GROUNDING IN BOTH INFORMAL AND FORMAL LOGIC. THE COURSE STUDIES THE NATURE AND TYPES OF ARGUMENT AND METHODS FOR DISTINGUISHING GOOD AND BAD REASONING. FORMAL METHODS INCLUDE THE USE OF TRUTH-TABLES AND NATURAL DEDUCTION. FULFILLS THE PHILOSOPHICAL FOUNDATIONS CORE REQUIREMENT. 3 CREDITS.

**PHIL 250 MORAL PHILOSOPHY (w)** IS A COURSE OF STUDY WHICH EXAMINES THE CENTRAL ETHICAL SYSTEMS OF PHILOSOPHY IN DIALOGUE WITH CHRISTIAN PRESUPPOSITIONS AND WITH A LUTHERAN UNDERSTANDING OF LAW AND GOSPEL. PARTICIPANTS WILL STUDY CLASSICAL AND CONTEMPORARY SOURCES OF ETHICAL FOUNDATIONS IN THE WESTERN TRADITION. ANALYTICAL METHODS OF PHILOSOPHICAL INQUIRY ARE EXPLAINED AND APPLIED. CASE STUDIES PROVIDE OCCASIONS FOR FOSTERING IN-DEPTH CLASS DISCUSSIONS AND APPLICATION OF ETHICAL THEORIES, PRINCIPLES, AND TOOLS. FULFILLS THE PHILOSOPHICAL FOUNDATIONS CORE REQUIREMENT. 3 CREDITS.

**PHIL 311 THE CHRISTIAN MIND** IS A COURSE IN CRITICAL AND PHILOSOPHICAL THINKING FROM A DISTINCTIVELY CHRISTIAN PERSPECTIVE. THE FOCUS IS WHAT IT MEANS TO LOVE GOD WITH ALL OUR MIND, DEVELOPING A BIBLICAL, CHRISTIAN WORLDVIEW THAT HAS SOMETHING TO SAY ABOUT SECULAR AS WELL AS SACRED TOPICS. THE COURSE SHOWS HOW THE CHRISTIAN MIND TRANSFORMED CIVILIZATION AND HOW IT CONTINUES TO CONTRAST WITH VARIOUS SECULAR PERSPECTIVES SUCH AS MATERIALISM, PRAGMATISM AND POSTMODERNISM. 3 CREDITS.

**PHIL 325 CHRISTIAN APOLOGETICS** EXAMINES THE HISTORICAL, SCIENTIFIC AND PHILOSOPHICAL CASE FOR CHRISTIANITY. THE COURSE EXPLORES THE NATURE AND PURPOSE OF APOLOGETICS, MODERNIST AND POSTMODERNIST APPROACHES AND EXAMINES BOTH LOGICAL ARGUMENTS AND EMPIRICAL EVIDENCES FOR THE TRUTH CLAIMS OF CHRISTIANITY. 3 CREDITS.

**PHIL 334 CHRIST AND CULTURE** EXAMINES THE INTERACTION BETWEEN THE CHRISTIAN AND THE SURROUNDING CULTURE IN BOTH WESTERN AND NON-WESTERN SETTINGS. THE CLASSIC TYPOLOGY OF H. RICHARD NIEBUHR IS PRESENTED AND CRITICALLY EVALUATED. THE IMPLICATIONS OF THE DOCTRINES OF VOCATION AND OF THE TWO KINGDOMS ARE EXPLORED. PUBLIC THEOLOGY IS DEFINED, AND STUDENTS LEARN TO APPRECIATE THE DISTINCTIVE APPROACHES TO PUBLIC THEOLOGY WITHIN DIFFERENT DENOMINATIONS. A WIDE RANGE OF CONTEMPORARY ISSUES FACING THE CHRISTIAN IS STUDIED. THROUGHOUT THE COURSE, THERE IS PARTICULAR EMPHASIS OF THE MERITS OF THE LUTHERAN "PARADOX" MODEL FOR INTERACTION WITH CULTURE, ALONG WITH DUE CONSIDERATION OF THE STRENGTHS AND WEAKNESSES OF OTHER MODELS. 3 CREDITS.

**PHIL 350 BIOETHICAL DILEMMAS IN CONTEMPORARY SOCIETY** WILL STUDY BASIC CONCEPTS CONCERNING IN VITRO FERTILIZATION, GENETIC TESTING AND THERAPY, STEM CELL RESEARCH, CLONING, ORGAN TRANSPLANTATION, END-OF-LIFE CARE, HUMAN SUBJECT RESEARCH, AND ACCESS TO HEALTH CARE. STUDENTS WILL EXAMINE HOW CONTEMPORARY PHILOSOPHERS ADDRESS BIOETHICAL ISSUES. THEY WILL BE ENABLED TO ARTICULATE THEIR PERSPECTIVES AND MAKE INFORMED DECISIONS COMPATIBLE WITH THE CHRISTIAN FAITH. THIS COURSE IS PARTICULARLY SUITED FOR THOSE IN MEDICAL, BIOLOGY, PRE-SEMINARY, LAY MINISTRY, TEACHING, AND PHILOSOPHY PROGRAMS. 3 CREDITS.

**PHIL 400 ANCIENT PHILOSOPHY** STUDIES CONCEPTS AND HISTORICAL THEMES DEVELOPED IN ANCIENT PHILOSOPHICAL LITERATURE. THE COURSE WILL EXAMINE PHILOSOPHERS WHO LIVED DURING A THOUSAND-YEAR PERIOD, FROM APPROXIMATELY 600 BC TO AD 400. PARTICULAR ATTENTION WILL BE PAID TO THE WRITINGS OF PLATO AND ARISTOTLE. STUDENTS WILL EXAMINE HOW ANCIENT PHILOSOPHERS ADDRESSED ISSUES STILL IMPORTANT TODAY. OF INTEREST WILL BE THE PHILOSOPHERS' PERSPECTIVES ON LOGIC, PHYSICS, SOUL AND MIND, ETHICS, AND GOD. STUDENTS WILL BE ENABLED TO ARTICULATE ANCIENT PHILOSOPHICAL PERSPECTIVES IN DIALOGUE WITH THE CHRISTIAN FAITH. PREREQUISITES: PHIL 101. 3 CREDITS.

**PHIL 450 MODERN PHILOSOPHY** SURVEYS PHILOSOPHY IN THE MODERN PERIOD (FROM THE 16TH TO THE 19TH CENTURY) AND THEN DISCUSSES FOUNDATIONAL PRIMARY SOURCES. PHILOSOPHERS STUDIED INCLUDE FRANCIS BACON, RENÉ DESCARTES, THOMAS HOBBS, BARUCH SPINOZA, JOHN LOCKE, GOTTFRIED LEIBNIZ, GEORGE BERKELEY, DAVID HUME, THOMAS REID, JEAN-JACQUES ROUSSEAU, AND IMMANUEL KANT. THE COURSE EMPHASIZES HOW EACH OF THESE PHILOSOPHERS RESPONDED TO HIS PREDECESSORS AND HOW EACH PROVOKED CONTROVERSIES IN SUBSEQUENT THOUGHT. PRE-REQUISITE: PHIL 101. 3 CREDITS.

## PHYSICS

**PHYS 121 PRINCIPLES OF PHYSICS** A ONE-SEMESTER SURVEY OF PHYSICS FOR STUDENTS HAVING NO PRIOR PHYSICS COURSEWORK. STUDENTS STUDY CLASSICAL MECHANICS, KINETIC THEORY, HARMONIC MOTION AND WAVES, PROPERTIES OF MATTER, HEAT, ELECTRICITY, MAGNETISM, LIGHT, AND NUCLEAR REACTIONS. COURSE DOES NOT COUNT TOWARD MAJORS OR MINORS IN THE NATURAL SCIENCE. ONE LABORATORY PER WEEK. PREREQUISITE: MAT 121. FULFILLS THE LAB SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 4 CREDITS.

**PHYS 151 GENERAL PHYSICS I** THE FIRST SEMESTER OF A TWO-SEMESTER, PRE-CALCULUS BASED, GENERAL COLLEGE PHYSICS COURSE, FOR EARTH AND LIFE SCIENCE MAJORS AND PRE-PROFESSIONAL STUDENTS, COVERING NEWTONIAN KINEMATICS AND DYNAMICS, WORK AND ENERGY, MOMENTUM, CIRCULAR MOTION AND GRAVITATION, ROTATION, FLUIDS, VIBRATING BODIES, WAVE MOTION AND SOUND, THERMAL EXPANSION AND SPECIFIC HEAT. ONE LABORATORY PER WEEK. PREREQUISITE: MAT 128. FULFILLS THE LAB SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 4 CREDITS.

**PHYS 152 GENERAL PHYSICS II** STUDENTS EXPLORE REFLECTION, REFRACTION, OPTICAL INSTRUMENTS, SPECTRA, DIFFRACTION, POLARIZATION, ELECTRICAL CIRCUITS, CURRENTS, ENERGY AND POWER, MAGNETISM, AND INDUCTION. ONE LABORATORY PER WEEK. PREREQUISITE: PHYS 151. 4 CREDITS.

**PHYS 223 MECHANICS, SOUND, & HEAT** A FIRST, CALCULUS-BASED COURSE FOR PHYSICAL SCIENCE AND ENGINEERING STUDENTS. TOPICS INCLUDE KINEMATICS, NEWTON'S LAWS OF MOTION, WORK AND ENERGY, MOMENTUM, ROTATION, OSCILLATIONS, WAVES, AND SOUND. 5 CREDITS.

**PHYS 224 ELECTRICITY, MAGNETISM, & LIGHT** A CONTINUATION OF PHY223 FOR PHYSICAL SCIENCE AND ENGINEERING STUDENTS. TOPICS INCLUDE STATIC AND CURRENT ELECTRICITY, MAGNETISM, INDUCTION, AND GEOMETRIC AND PHYSICAL OPTICS. 5 CREDITS.

## POLITICAL SCIENCE

**POLS 101 INTRODUCTION TO POLITICAL SCIENCE** AN ANALYSIS OF THE STRUCTURE AND OPERATION OF THE AMERICAN POLITICAL SYSTEM, ALONG WITH A COMPARISON OF THE CHARACTERISTICS OF LIBERAL DEMOCRACY WITH THOSE OF SUCH COMPETING IDEOLOGIES AS NATIONALISM, COMMUNISM, SOCIALISM, ANARCHISM, AND FASCISM. FULFILLS THE SOCIAL SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**POLS 201 AMERICAN GOVERNMENT** THIS COURSE FOCUSES ON THE POLITICAL THEORY, STRUCTURES, AND FUNCTIONS OF THE AMERICAN POLITICAL SYSTEM. CROSSLISTED JPP 101. FULFILLS THE CITIZENSHIP REQUIREMENT IN THE NARRATIVE CORE. 3 CREDITS.

**POLS 285 AMERICAN POLITICS AND HEALTH CARE POLICY** INTRODUCES THE STUDENTS TO THE POLICY-MAKING PROCESS IN THE UNITED STATES BY FOCUSING ON THE THREE BRANCHES OF GOVERNMENT - LEGISLATIVE, EXECUTIVE, AND JUDICIAL – AS WELL AS THE CONTEXT OF ENVIRONMENT IN WHICH POLITICAL DECISIONS ABOUT HEALTH CARE POLICY ARE MADE. ACTIVITIES WILL HELP STUDENTS APPRECIATE HOW THE AMERICAN POLITICAL SYSTEM HAS EVOLVED, UNDERSTAND ITS EVERYDAY IMPACT ON THE LIVES OF STUDENTS, AND EVALUATE RECOMMENDED CHANGES TO THE SYSTEM, PARTICULARLY IN HEALTH CARE. 3 CREDITS.

**POLS 359 CONSTITUTIONAL LAW** THE ANALYSIS OF INDIVIDUAL RIGHTS AND RESPONSIBILITIES AS DEVELOPED BY THE UNITED STATES SUPREME COURT IN ITS INTERPRETATION OF THE UNITED STATES CONSTITUTION. 3 CREDITS.

**POLS 361 CIVIL RIGHTS & CIVIL LIBERTIES (W)** INCREASES UNDERSTANDING OF RIGHTS WITHIN THE CONTEXT OF POLITICS AND OF THE BASIC STRUCTURE AND OPERATION OF THE AMERICAN CONSTITUTIONAL APPROACH TO RIGHTS AND LIBERTIES. 3 CREDITS.

## PSYCHOLOGY

**PSY 101 GENERAL PSYCHOLOGY** IS AN INTRODUCTORY SURVEY COURSE ACQUAINTING THE STUDENT WITH THE PROCEDURES, PRINCIPLES, THEORIES AND VOCABULARY OF PSYCHOLOGY AS A SCIENCE. FULFILLS THE SOCIAL SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**PSY 201 INTERPERSONAL COMMUNICATION** IS AN INTERDISCIPLINARY STUDY DESIGNED TO IMPROVE THE STUDENT'S UNDERSTANDING OF AND SKILLS IN INTRA- AND INTERPERSONAL COMMUNICATION. EMPHASIS WILL BE PLACED ON CONTRIBUTIONS FROM THE FIELDS OF PSYCHOLOGY, SOCIOLOGY AND GENERAL SEMANTICS. CROSSLISTED COMM201. PREREQUISITE: PSY 101. 3 CREDITS.

**PSY 205 THEORIES OF LEARNING** IS A FOCUS ON HOW PEOPLE LEARN. INSEPARABLE FROM A DISCUSSION OF THE HISTORY OF PSYCHOLOGY, PSY 205 PRESENTS INFORMATION OF BASIC LEARNING THEORY ALONG A TIMELINE IN THE SCIENCE OF PSYCHOLOGY. CLASSICAL CONDITIONING, INSTRUMENTAL CONDITIONING, AND COGNITIVE MAPPING, TO NAME A FEW LEARNING STRATEGIES, ARE DESCRIBED. THE WORKS OF THORNDIKE, TOLMAN, AND SKINNER ARE HIGHLIGHTED ALONG WITH THE RESEARCH OF OTHER LEARNING THEORISTS. PREREQUISITE: PSY 101. 3 CREDITS.

**PSY 221 CHILD DEVELOPMENT** STUDIES THE DEVELOPMENTAL STAGES OF BECOMING HUMANS FROM BIRTH TO PRE-ADOLESCENCE INVOLVING PRIMARILY THOSE PSYCHOBIOLOGICAL AND PSYCHOSOCIAL CHANGES WHICH ARE A CONCERN FOR PSYCHOLOGISTS AND EDUCATORS. SPECIAL ATTENTION IS GIVEN TO THE BIRTH PROCESS, PARENTING, INDIVIDUAL DIFFERENCES, EMOTIONAL AND INTELLECTUAL DEVELOPMENT, AS WELL AS ETHNIC BACKGROUND, RELIGIOUS TRAINING AND SOCIO-ECONOMIC AFFILIATION. PREREQUISITE: PSY 101. 3 CREDITS.

**PSY 222 ADOLESCENT DEVELOPMENT** STUDIES THE INTERACTION OF MATURATIONAL, SOCIAL, AND SELF-REACTIVE FACTORS IN HUMAN DEVELOPMENT DURING ADOLESCENCE. EXAMINES PROBLEMS OF PERSONAL, FAMILIAL, SOCIAL, AND OCCUPATIONAL ADJUSTMENT. PREREQUISITE: PSY 101. 3 CREDITS.

**PSY 223 ADULT DEVELOPMENT** EXAMINES THE DEVELOPMENTAL TASKS AND STAGES OF HUMAN BEINGS FROM THEIR ENTRANCE INTO EARLY ADULTHOOD THROUGH DEATH. PREREQUISITE: PSY 101. 3 CREDITS.

**PSY 230 LIFESPAN DEVELOPMENT** SURVEYS THE DEVELOPMENTAL STAGES AND THE PSYCHOLOGICAL GROWTH OF HUMANS FROM CONCEPTION TO DEATH. NOT TO BE TAKEN FOR CREDIT IF PSY 221, 222, AND/OR 223 ARE REQUIRED. PREREQUISITE: PSY 101 OR EQUIVALENT. NO CREDIT WILL BE ISSUED TOWARD THE MAJOR IF MORE THAN ONE DEVELOPMENT COURSE PSY 221, 222, OR 223 IS TAKEN ALONG WITH LIFE-SPAN. 3 CREDITS.

**PSY 245 EXPERIMENTAL PSYCHOLOGY AND RESEARCH METHODS (w)** PROVIDES PRACTICE IN A VARIETY OF RESEARCH METHODS AND INCLUDES DESIGN OF EXPERIMENTS, TECHNIQUES FOR DATA COLLECTION, CONTROL OF EXPERIMENTAL EVENTS, AND DATA ANALYSIS. INDIVIDUAL LABORATORY PROJECTS AND PREPARATION OF SCIENTIFIC REPORTS ARE REQUIRED. PREREQUISITES: MATH 205 AND PSY 101, COMPUTER LITERACY. 3 CREDITS.

**PSY 310 THEORIES OF PERSONALITY** IS A SEMINAR FOCUSING ON VARIOUS CONCEPTS OF PERSONALITY AS ADDRESSED BY THEORISTS WITHIN THE DISCIPLINES OF PSYCHOLOGY AND SOCIOLOGY. PREREQUISITES: PSY 101 AND PSY 221 OR 222 OR 223 OR 230. 3 CREDITS.

**PSY 312 MARRIAGE AND FAMILY RELATIONS** CONSIDERS THE MAJOR FACETS OF MARRIAGE AND FAMILY LIFE WITHIN AMERICAN CULTURE. IT EMPHASIZES SUCH ASPECTS OF MARRIAGE AND THE FAMILY AS PERSONALITY DEVELOPMENT, ROLE AND STATUS SETS, COMMUNICATION PATTERNS, ADJUSTMENT AND CONFLICT. CROSSLISTED SOC 312. PREREQUISITES: PSY 101 OR SOC 101. 3 CREDITS.

**PSY 315 SOCIAL PSYCHOLOGY (w)** INTRODUCES BASIC CONCEPTS OF SOCIAL PSYCHOLOGY, LEADERSHIP AS AN ASPECT OF SOCIAL POWER, SMALL GROUP BEHAVIOR, COMMUNICATION, DEVELOPMENT OF ATTITUDES AND INTERACTIONAL DYNAMICS. PREREQUISITES: PSY 101, PSY 201 AND 221 OR PSY 222 OR 223 OR 230. 3 CREDITS.

**PSY 331 CRIMINAL PSYCHOLOGY** STUDIES THE PSYCHOLOGICAL THEORIES OF CRIME CAUSATION. CROSSLISTED JPP 311. PREREQUISITES: PSY 101, PSY 315 AND PSY 425. 3 CREDITS.

**PSY 354 GENDER AND COMMUNICATION** STUDIES THE DIFFERENCES WOMEN AND MEN EXHIBIT WHEN COMMUNICATING. VERBAL AND NONVERBAL DIFFERENCES ARE STUDIED, INCLUDING WHY SUCH DIFFERENCES OCCUR. GENDER-SPECIFIC ISSUES IN DATING, EDUCATION, THE FAMILY, RELIGION, AND THE WORK PLACE WILL BE DISCUSSED. A STUDENT PROJECT FOCUSING ON HOW THE MEDIA STEREOTYPES MALE AND FEMALE ROLES IS REQUIRED. CROSSLISTED COMM 354. 3 CREDITS.

**PSY 360 PSYCHOLOGY AND RELIGION** EXPLORES THE RELATIONSHIP BETWEEN PSYCHOLOGY AND RELIGION. SUCH A RELATIONSHIP HAS LONG BEEN THE SUBJECT OF MAJOR CONCERN TO SCHOLARS AS EPITOMIZED BY THE WORKS OF C.G. JUNG, WILLIAM JAMES, V. FRANKL, R. OTTO, AND MANY OTHERS. THIS IS AN EXCELLENT COURSE FOR THOSE WHO ARE MAJORING IN PSYCHOLOGY, RELIGION, OR SOCIAL WORK. PREREQUISITES: PSY 310 AND ONE OF THE FOLLOWING SOC 203 OR REL 410. 3 CREDITS.

**PSY 421 HUMAN SEXUALITY** THIS COURSE PRESENTS AN EXAMINATION OF HUMAN SEXUALITY THROUGH DEVELOPMENTAL AND SOCIOCULTURAL LENSES. PREREQUISITES: PSY 101 AND PSY 221 OR 222 OR 223 OR 230. 3 CREDITS.

**PSY 425 ABNORMAL PSYCHOLOGY** STUDIES BEHAVIORAL DISORDERS IN ADULTS AND CHILDREN WITH SPECIAL EMPHASIS ON THE EFFECTS OF SOCIAL CONDITIONS AND SOCIAL CHANGE ON THE NATURE AND INCIDENCE OF MALADAPTIVE BEHAVIORS IN AMERICAN SOCIETY AND ON THE MAJOR CONTEMPORARY APPROACHES TO THERAPY USED IN THE TREATMENT OF THESE DISORDERS. PREREQUISITES: PSY 101, PSY 221 OR 222 OR 223 OR 230 AND PSY 310. 3 CREDITS.

**PSY 450 PRACTICUM IN PSYCHOLOGY** OFFERS STUDENTS SUPERVISED PRACTICAL EXPERIENCE IN LOCAL AGENCIES AND INSTITUTIONS PROVIDING PSYCHOLOGICAL SERVICES. TRAINING, WORKSHOPS, AND/OR ASSOCIATED READINGS ARE REQUIRED. PREREQUISITES: SENIOR STANDING AND DEPARTMENTAL APPROVAL. 3 CREDITS.

**PSY 460 PRINCIPLES OF COUNSELING** INTRODUCES THE STUDENT TO THE THEORY AND PRACTICE OF CLINICAL PSYCHOLOGY CENTERING ON MAJOR APPROACHES TO COUNSELING AND PSYCHOTHERAPY. THEORY AND PRACTICE ARE INTEGRATED AND APPLIED TO PRACTICAL SETTINGS AND INTERPERSONAL RELATIONSHIPS. ATTENTION WILL BE GIVEN TO ROLE PLAYING, INTERVIEWING TECHNIQUES, AND THE DYNAMICS, PURPOSE AND GOALS OF A HELPING RELATIONSHIP. PREREQUISITES: PSY 101, PSY 310 OR CONSENT OF INSTRUCTOR. 3 CREDITS.

**PSY 490 SENIOR PROJECT/SEMINAR** PROVIDES OPPORTUNITY FOR STUDENTS TO WORK WITH SPECIAL SCHOOLS OR TOPICS IN THE FIELDS OF SOCIOLOGY, PSYCHOLOGY, ECONOMICS, POLITICAL SCIENCE AND EDUCATION. INDIVIDUAL RESEARCH OR GROUP PROJECTS WILL BE REQUIRED. ENROLLMENT FOR THIS COURSE IS DURING SPRING OF THE SENIOR YEAR. PREREQUISITE: PSY 245. 3 CREDITS.

**PSY 491 READINGS IN PSYCHOLOGY** PROVIDES INDEPENDENT STUDY AND RESEARCH UNDER THE DIRECTION OF FACULTY MEMBER. 3 CREDITS.

**PSY 492 RESEARCH PROPOSAL** PROVIDES OPPORTUNITY FOR STUDENTS TO WORK WITH SPECIAL SCHOOLS OR TOPICS IN THE FIELDS OF SOCIOLOGY, PSYCHOLOGY, ECONOMICS, POLITICAL SCIENCE AND EDUCATION. INDIVIDUAL RESEARCH OR GROUP PROJECTS WILL BE REQUIRED. ENROLLMENT FOR THIS COURSE IS DURING SPRING OF THE SENIOR YEAR. 1 CREDIT.

## RELIGION

***THE BASIC COURSES IN BIBLICAL CONTENT (REL 100 OR 201 & 203) AND IN CHRISTIAN DOCTRINE (REL 110 OR 204) ARE PREREQUISITES FOR EVERY OTHER THEOLOGY COURSE.***

**REL 100 THE BIBLE** STUDENTS LEARN THE MAIN PERSONS AND EVENTS OF SACRED SCRIPTURE WHILE EXPLORING ITS PRIMARY THEMES AS THE HISTORICAL AND SAVING REVELATION OF GOD CENTERED IN JESUS CHRIST. STUDENTS ALSO GAIN INITIAL SKILLS IN INTERPRETING THE BIBLE AS A SACRED TEXT AND APPLYING IT TO CONTEMPORARY LIFE. FULFILLS THE BIBLE CONTENT COMMON CORE REQUIREMENT. 3 CREDITS.

**REL 110 CHRISTIAN FAITH** AN OVERVIEW OF CHRISTIAN THEOLOGY INTENDED TO ACQUAINT THE STUDENTS WITH KEY THEOLOGICAL CONCEPTS AS THEY RELATE TO EVERYDAY LIFE. THIS INTRODUCTORY COURSE SATISFIES THE CORE CURRICULUM REQUIREMENT FOR CHRISTIAN DOCTRINE FOR STUDENTS WHO ARE NOT IN CHURCH-WORK PROGRAM. 3 CREDITS.

**REL 201 OLD TESTAMENT** THIS COURSE EXPLORES OLD TESTAMENT BIBLICAL LITERATURE WITHIN ITS HISTORICAL, CULTURAL, AND GEOGRAPHICAL SETTINGS IN ORDER TO UNDERSTAND ITS MESSAGE TO GOD'S PEOPLE THEN AND NOW. SKILLS OF BIBLICAL INTERPRETATION ARE EMPHASIZED. FULFILLS THE BIBLE CONTENT COMMON CORE REQUIREMENT IF STUDENT ALSO COMPLETES REL203. 3 CREDITS.

**REL 203 NEW TESTAMENT** THE NEW TESTAMENT TEXT, AND THE WORLD BEHIND IT, AND THE PRINCIPLES FOR INTERPRETING THIS RELIGIOUS LITERATURE ARE STUDIED TO DETERMINE ITS HISTORICAL MEANING AND CONTEMPORARY APPLICATIONS. FULFILLS THE BIBLE CONTENT COMMON CORE REQUIREMENT IF STUDENT ALSO COMPLETES REL201. 3 CREDITS.

**REL 204 BIBLICAL THEOLOGY** A SYSTEMATIC STUDY OF MAJOR AREAS OF CHRISTIAN DOCTRINE WITH AN EMPHASIS ON WHAT SCRIPTURE SAYS, AS WELL AS HOW LUTHERAN DOCTRINE REFLECTS WHAT SCRIPTURE TEACHES. THIS INTRODUCTORY COURSE SATISFIES THE CORE CURRICULUM REQUIREMENT FOR CHRISTIAN DOCTRINE, AND IS REQUIRED FOR STUDENTS IN A CHURCH-WORK PROGRAM. PREREQUISITE: ENROLLMENT IN CHURCH-WORK PROGRAM OR PERMISSION OF INSTRUCTOR. 3 CREDITS.

**REL 210 GREAT COMMISSION EVANGELISM** PRESENTS AN OVERVIEW OF THE BIBLICAL BASIS FOR EVANGELISM AND IN-DEPTH STUDY OF THE BASIC COMPONENTS OF THE MESSAGE AND TECHNIQUE OF CHRISTIAN WITNESS. OUTREACH ELECTIVE (EVANGELISM). PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 233 COMMUNICATING BIBLE MESSAGES** EXAMINES THE PREPARATION AND DELIVERY OF DEVOTIONAL MESSAGES BASED ON A CAREFUL STUDY OF THE BIBLICAL TEXT. CLASSROOM DISCUSSIONS CENTER ON THE PROPER DISTINCTION BETWEEN LAW AND GOSPEL, THE CORRECT INTERPRETATION OF BIBLICAL TEXTS, THE STRUCTURE OF EFFECTIVE DEVOTIONAL MESSAGES, AND THE TECHNIQUES OF DELIVERING THESE MESSAGES. RELIGIOUS EDUCATION ELECTIVE. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 275 THEOLOGY AND FILM** EXPLORES THE MEDIUM OF FILM AND HOW FILM MAY COMMUNICATE BIBLICAL THEOLOGY FOR A VISUAL AGE. MOTION PICTURES CONTAIN MANY THEOLOGICAL IDEAS AND BECAUSE FILMS CAN BE PERSUASIVE WITHOUT ARGUING THEIR CASE, IT IS IMPORTANT TO BE ABLE TO CRITIQUE THEIR CONTENT IMPARTIALLY, AND TO DISTINGUISH BETWEEN AN APPRECIATION OF ARTISTIC INTEGRITY AND TRUTH AS REVEALED IN SCRIPTURE. SPECIAL ATTENTION WILL BE GIVEN TO CHRISTIANITY IN THE INTERRELATIONSHIP OF FAITH AND CULTURE. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 287 CHRISTIAN CARE GIVING** OFFERS THE STUDENT PREPARING FOR FULL-TIME CHURCH WORK OPPORTUNITY TO UNDERSTAND AND APPLY THE THEOLOGY OF THE CROSS AND PRACTICE OF THE CHURCH IN CHRISTIAN CARE GIVING. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 294 GENESIS** COVERS THE TEACHINGS OF GENESIS WITH SPECIAL REFERENCE TO THE ORIGINS OF THE HUMAN RACE, THE CREATION-EVOLUTION DEBATE, THE FLOOD, AND THE PATRIARCHS. BIBLE ELECTIVE (OT). PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 310 RELIGION IN AMERICA TODAY** GIVES THE STUDENT AN OVERVIEW OF THE RELIGIOUS LIFE OF PEOPLE IN OUR COUNTRY. SUCH TOPICS AS THE MAINLINE CHRISTIAN DENOMINATIONS, THE RISE OF SECTS AND CULTS, THE ECUMENICAL MOVEMENT, THE RELATION OF CHURCH AND STATE TO EACH OTHER AND HUMANISM AND DEMOCRACY AS RELIGIONS ARE DISCUSSED. COMPARATIVE RELIGIONS ELECTIVE. 3 CREDITS.

**REL 311 CHURCH IN MISSION** STUDIES THE MISSION OF THE CHURCH WITH A VISION TOWARD CONTEMPORARY MINISTRY AND OUTREACH. EMPHASIS WILL BE GIVEN TO CROSS-GENERATIONAL AND CROSS-CULTURAL OUTREACH METHODS. OUTREACH ELECTIVE (EVANGELISM). 3 CREDITS.

**REL 333 SURVEY OF CHRISTIAN THOUGHT (w)** AN HISTORICAL SURVEY OF CHRISTIAN THOUGHT, PLACED IN THE CONTEXT OF THE CHURCH'S HISTORY, FROM THE FIRST CENTURY INTO THE 20TH CENTURY. EMPHASIS IS PLACED UPON THE ARTICULATION AND DEVELOPMENT OF THE DOCTRINAL, INSTITUTIONAL, AND ETHICAL PATTERNS OF THE CHURCH IN THE LIGHT OF THE BIBLICAL WITNESS. 3 CREDITS.

**REL 340 LIFE OF CHRIST** STUDIES THE RELIGIOUS AND SOCIAL CONDITIONS OF THE WORLD INTO WHICH CHRIST CAME, HIS LIFE AND TEACHINGS AS FOUND IN THE FOUR GOSPELS, WITH AN OVERVIEW OF THE OPINIONS EXPRESSED IN THE APOCRYPHAL GOSPELS, THE ANCIENT CHURCH, AND MODERN HISTORICAL CRITICISM. BIBLE ELECTIVE(NT). 3 CREDITS.

**REL 342 DEAD SEA SCROLLS** INVESTIGATES HOW THESE 2,000-YEAR OLD DOCUMENTS HAVE CHANGED THE WAY PEOPLE THINK AND WRITE ABOUT THE BIBLE AND PROVIDE A VALUABLE WINDOW INTO THE EARLY HISTORY OF JEWS AND CHRISTIANS. STUDENTS WILL BE CHALLENGED TO DISCOVER ANSWERS TO THE CONTINUING QUESTIONS OF MODERN BIBLICAL AND HISTORICAL SCHOLARSHIP AS IT RELATES TO THE CHRISTIAN FAITH. BIBLE ELECTIVE (OT/NT). PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 343 THE GOSPEL OF MARK** STUDIES THE GOSPEL OF MARK AS A DISTINCT PRESENTATION OF THE MINISTRY OF JESUS. THE COURSE WILL FOCUS ON MARK'S CHOICES OF JESUS' MIRACLES, PARABLES, AND TRAVELS. THE DELIBERATE STRUCTURE OF THE GOSPEL WILL BE HIGHLIGHTED. BIBLE ELECTIVE (NT). PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 344 LUKE/ACTS** WILL STUDY THE MAIN THEMES OF LUKE-ACTS THROUGH A STRUCTURAL, CHRIST-CENTERED, AND HISTORICAL APPROACH. SELECTED PASSAGES WILL BE GIVEN SPECIAL ATTENTION AS THE PORTRAIT OF CHRIST AND THE FOUNDING OF HIS CHURCH ARE UNVEILED. ISSUES THAT WILL MERIT SPECIAL ATTENTION ARE: JESUS' KINGSHIP, HIS PROPHETIC OFFICE, CHRISTIAN WORSHIP IN THE EARLY CHURCH, THE MISSION OF THE CHURCH, END TIMES AND JESUS' PASSION. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 345 JOHANNINE LITERATURE** STUDIES THE WRITINGS OF ST. JOHN IN THE NEW TESTAMENT, NAMELY HIS EPISTLES, GOSPEL, AND REVELATION. STUDENTS EXAMINE THE JOHANNINE MESSAGE CONCERNING THE PERSON AND WORK OF JESUS CHRIST. CHARACTERISTIC TERMS, THEMES, AND DOCTRINES ARE MADE THE SUBJECT OF SPECIAL STUDY. BIBLE ELECTIVE (NT). 3 CREDITS.

**REL 346 PAULINE LITERATURE** STUDIES SELECTED WRITINGS OF THE APOSTLE PAUL TO FAMILIARIZE THE STUDENT WITH THE HISTORICAL BACKGROUND, CONTENT, PURPOSE, MESSAGE, AND DISTINCTIVE CHARACTERISTICS OF FIVE OF PAUL'S EPISTLES. BIBLE ELECTIVE (NT). PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 347 LAW AND GOSPEL IN LIFE OF CHURCH** LEADS THE STUDENT TO SEE MORE CLEARLY THE SIGNIFICANCE OF TWO MAJOR CHRISTIAN DOCTRINES AND THE CORRECT RELATIONSHIP BETWEEN THEM FOR A CHRISTIAN'S LIFE. SECTIONS OF SCRIPTURE, OF THE LUTHERAN CONFESSIONS, AND OF CURRENT THEOLOGICAL LITERATURE ARE ANALYZED IN THE LIGHT OF THESE FUNDAMENTAL TEACHINGS. 3 CREDITS.

**REL 351 PROPHETS OF ISRAEL** STUDIES OLD TESTAMENT PROPHECY AND THE PROPHETIC MOVEMENT, INCLUDING ITS ORIGIN, DEVELOPMENT, PURPOSE, METHODOLOGY, MESSAGE, AND IMPACT. BIBLE ELECTIVE (OT). PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 352 REVELATION AND END TIMES** EXPLORES THE DOCTRINE OF ESCHATOLOGY AS IT IS REVEALED IN THE SCRIPTURES. SPECIAL EMPHASIS IS PLACED ON UNDERSTANDING APOCALYPTIC LITERATURE AS A KEY TO INTERPRETING THE BOOK OF REVELATION. TEXTS FROM DANIEL, EZEKIEL, MATTHEW, AND THE WRITING OF PAUL ARE ALSO EXAMINED AS THEY RELATE TO THE FULL RANGE OF ESCHATOLOGICAL TOPICS: THE MILLENNIUM, THE RAPTURE, ARMAGEDDON, THE ANTI-CHRIST, DEATH, CHRIST'S SECOND COMING, RESURRECTION, AND THE ETERNAL STATE. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 356 LIFE OF PAUL** GIVES AN OVERVIEW OF THE LIFE AND TEACHINGS OF THE APOSTLE PAUL IN TERMS OF HIS PLACE IN THE NEW TESTAMENT AS AN APOSTLE OF JESUS CHRIST AGAINST THE BACKGROUND OF HIS BIRTH AND DEVELOPMENT. STUDIES ARE BASED ON SELECTED TEXTS FROM ACTS AND PAULINE EPISTLES. BIBLE ELECTIVE (NT). FULFILLS THE THEOLOGY REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**REL 357 WOMEN IN THE CHURCH** EXPLORES THE MULTIPLE DIMENSIONS OF WOMEN'S GIFTS AND ACTIVITIES AS RECORDED IN THE CHRISTIAN SCRIPTURES AND EXPERIENCED THROUGHOUT THE HISTORY OF CHRISTIANITY, WITH PARTICULAR INTEREST IN APPLYING BIBLICAL PRINCIPLES TO CONTEMPORARY FEMINIST PERSPECTIVES AS WELL AS THAT OF WOMEN IN THE CHURCH. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 376 CHRISTIAN ETHICS** CURRENT ETHICAL ISSUES ARE RESEARCHED AND DISCUSSED IN LIGHT OF THE BIBLICAL PERSPECTIVES. COMPARISONS ARE MADE WITH FINDS AND ALTERNATIVES SET FORTH BY PROFESSIONALS IN VARIOUS FIELDS. FULFILLS THE THEOLOGY REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**REL 388 VARIETIES OF BELIEF** PROVIDES A FRAMEWORK FOR KNOWING ABOUT THE TEACHINGS, PRACTICES, ORGANIZATION, AND HISTORICAL DEVELOPMENT OF WORLD RELIGIONS AND VARIOUS CHRISTIAN COMMUNITIES. EMPHASIS IS ALSO PLACED UPON THE CHRISTIAN LIVING IN RELATION TO THE PEOPLES OF OTHER FAITHS, ESPECIALLY IN THE NORTH AMERICAN CONTEXT, WITH COMPASSION, BIBLICAL CONFESSION AND A MISSIONAL INTENTION. 3 CREDITS.

**REL 389 MONASTIC ROOTS** INVESTIGATES THE HISTORY, THEOLOGY, AND PRACTICE OF MONASTICISM IN THE LIGHT OF THE REFORMATION. READINGS FROM AUGUSTINE, BENEDICT, AND OTHER MONASTIC WRITERS WILL BE SUPPLEMENTED WITH MATERIALS FROM THE PEN OF MARTIN LUTHER. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 404 LUTHERAN CONFESSIONS** AN OVERVIEW OF THE HISTORICAL BACKGROUND AND MAJOR TEACHINGS OF THE LUTHERAN CONFESSIONS. THE MAJOR THRUST OF THE COURSE IS A DISCUSSION OF THE DOCTRINES OF THE AUGSBURG CONFESSIONS AS THESE ARE ALSO EXPUNDED IN THE OTHER CONFESSIONS OF THE LUTHERAN CHURCH. FULFILLS THE THEOLOGY REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**REL 410 WORLD RELIGIONS** THIS IS A STUDY OF THE MAJOR NON-CHRISTIAN RELIGIONS, THEIR TERMS, TEXTS AND RELIGIOUS BELIEFS. POINTS OF CONTACT OR CONFLICT WITH BASIC CHRISTIAN AFFIRMATIONS ARE DISCUSSED. 3 CREDITS.

**REL 432 PSALMS** A STUDY OF THE HYMNAL OF ANCIENT ISRAEL, WITH ITS INTERPRETERS, HISTORICAL CONTEXT, AND ENDURING LITURGICAL AND THEOLOGICAL VALUE. BIBLE ELECTIVE (OT). FULFILLS THE THEOLOGY REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**REL 440 LUTHERAN WORSHIP: THEOLOGY AND PRACTICE** INTRODUCES THE TERMS, HISTORY AND THEOLOGY OF WORSHIP IN THE LUTHERAN CHURCH. THE STUDENT IS EXPOSED TO A VARIETY OF ART FORMS AND WAYS IN WHICH THEY CAN BE INCORPORATED INTO THE WORSHIP EXPERIENCE. ALONG WITH LEARNING THE PRINCIPLES INVOLVED IN DEVELOPING AND LEADING A WORSHIP SERVICE, THE STUDENT PRACTICES THESE SKILLS IN CLASS. THIS COURSE IS CROSS-LISTED AS WAL 440. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). CROSS LIST WAL 440. 3 CREDITS.

**REL 445 LIFE & THOUGHT OF LUTHER** A STUDY OF LUTHER THE MAN AND THE THEOLOGIAN IN RELATION TO THE WORLD IN WHICH HE LIVED. THE STUDENT WILL BE ASKED TO READ AND ANALYZE SOME OF LUTHER'S MAJOR WORKS. FULFILLS THE THEOLOGY REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**REL 450 TOPICS IN THEOLOGY** IS AN ELECTIVE IN WHICH STUDENTS TRAVEL TO THE ANNUAL LUTHERAN THEOLOGICAL SYMPOSIUM IN FORT WAYNE. STUDENTS WILL ATTEND THE FIVE DAY CONFERENCE AND PARTICIPATE IN ALL CONFERENCE ACTIVITIES RELATED TO BOTH EXEGESIS AND THEOLOGY. THIS COURSE WILL INCLUDE BOTH PRECONFERENCE READINGS AND A POST-CONFERENCE PAPER. WINTERIM. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). 3 CREDITS.

**REL 490 SENIOR SEMINAR I** PROVIDES STUDENTS WITH AN OPPORTUNITY TO DEVELOP A RESEARCH PROJECT IN A SPECIFIC AREA OF THEOLOGY AND DEMONSTRATE THEIR ABILITY TO SYNTHESIZE AND APPLY THEIR THEOLOGICAL EDUCATION IN A CULMINATING UNDERGRADUATE EXPERIENCE. 3 CREDITS.

**REL 491 SENIOR SEMINAR II** PROVIDES STUDENTS WITH AN OPPORTUNITY TO DEVELOP A RESEARCH PROJECT IN A SPECIFIC AREA OF THEOLOGY AND DEMONSTRATE THEIR ABILITY TO SYNTHESIZE AND APPLY THEIR THEOLOGICAL EDUCATION IN A CULMINATING UNDERGRADUATE EXPERIENCE. 3 CREDITS.

## RADIOLOGIC TECHNOLOGY

**RT 312 MEDICAL TERMINOLOGY** THE COURSE EXAMINES CURRENT LANGUAGE USED IN THE MEDICAL FIELD TO PREPARE STUDENTS FOR ENTRY INTO PROFESSIONAL PROGRAMS INCLUDING MEDICINE, DENTISTRY, PHYSICAL THERAPY, AND PHARMACY. LESSONS WILL FOCUS ON BREAKING DOWN COMPLEX WORDS INTO THEIR INDIVIDUAL COMPONENTS AND EXPLORING MEDICAL TERMS RELEVANT TO EACH BODY SYSTEM. 3 CREDITS.

## SCIENCE

**SCI 100 INTEGRATED NATURAL SCIENCES** THE KNOWLEDGE AND PROCESS OF SCIENCE ARE ORGANIZED AROUND THE MAJOR CENTRAL IDEAS OF SCIENCE AND INTEGRATED ACROSS ALL MAJOR FIELDS. THE CENTRAL GOAL OF THE COURSE IS TO GIVE STUDENTS AN INTELLECTUAL FRAMEWORK THAT WILL ALLOW THEM TO UNDERSTAND AND UTILIZE SCIENTIFIC INFORMATION IN EVERYDAY LIFE. IT IS SPECIFICALLY DESIGNED FOR ELEMENTARY EDUCATION STUDENTS. LABORATORY COURSE. 4 CREDITS.

**SCI 215 ATMOSPHERIC AND SPACE SCIENCE** THE FIRST HALF OF THE COURSE WILL INCLUDE A STUDY OF THE DYNAMICS OF THE ATMOSPHERE INCLUDING THE PROCESSES ATMOSPHERIC MOTION, GLOBAL CIRCULATION, WEATHER PATTERNS, SEVERE WEATHER AND THE TECHNIQUES USED IN WEATHER FORECASTING. THE SECOND HALF OF THE COURSE WILL INCLUDE A STUDY OF THE DYNAMICS OF EARTH'S MOTIONS RELATIVE TO THE SUN, MOON AND STARS AS WELL AS AN EXPLORATION OF PLANETS, COMETS, ASTEROIDS AND COSMOGONY. 4 CREDITS.

**SCI 235 EARTH SCIENCE** AN INTRODUCTION TO THE STUDY OF EARTH'S CRUST AND ITS CONSTITUENT ROCKS AND MINERALS. SIGNIFICANT GEOLOGICAL PROCESSES LIKE THE HYDROLOGICAL CYCLE, EROSION, VOLCANISM, PLATE TECTONICS, GLACIATIONS, AND OTHERS ARE EXAMINED. 4 CREDITS.



**SCI 250 NATURE OF SCIENCE (w)** THIS COURSE WILL EXPLORE THE HISTORY OF AND KEY DEVELOPMENTS IN THE MAJOR FIELDS OF SCIENCE. THE HISTORY OF THE DEVELOPMENT OF THE SCIENTIFIC METHOD ITSELF AND HOW IT HAS BEEN APPLIED TO ANSWER QUESTIONS ABOUT THE NATURAL WORLD WILL BE REVIEWED AS WELL. CURRENT SCIENTIFIC ISSUES WILL BE EXPLORED THROUGH READINGS AND DISCUSSION WITH EMPHASIS ON THEIR IMPACT ON SOCIETY AND THE LIMITATIONS OF SCIENTIFIC INVESTIGATION. 4 CREDITS.

**SCI 275 COSMOGONY (w)** THE STUDY OF ORIGINS. QUESTIONS REGARDING THE ORIGIN OF THE PHYSICAL UNIVERSE AND LIFE (INCLUDING HUMAN BEINGS) WILL BE EXPLORED AND POSSIBLE ANSWERS WILL BE OFFERED. THE TWO POSSIBLE COSMOGONIC MODELS, EVOLUTION AND CREATION, WILL BE TREATED IN-DEPTH FROM A SCIENTIFIC PERSPECTIVE. EACH MODEL WILL BE STUDIED AND ITS SUPPORTING SCIENTIFIC EVIDENCE WILL BE ANALYZED AND CRITIQUED. THE NATURE OF SCIENCE AND THE DIFFERENCES BETWEEN OPERATIONAL SCIENCE AND ORIGIN SCIENCE WILL ALSO BE INVESTIGATED. THE PRIMARY EMPHASIS OF THIS COURSE CONCERNS SCIENTIFIC EVIDENCES FOR ORIGINS; HOWEVER, PHILOSOPHICAL AND THEOLOGICAL EVIDENCES WILL ALSO BE DISCUSSED. THIS COURSE SATISFIES THE CORE REQUIREMENT IN CRITICAL INQUIRY. PREREQUISITE: ANY COLLEGE-LEVEL PHYSICAL OR BIOLOGICAL SCIENCE COURSE. FULFILLS THE PHILOSOPHICAL FOUNDATIONS CORE REQUIREMENT. 3 CREDITS.

## SPANISH

**SPAN 101 BEGINNING SPANISH I** PROVIDES A FOUNDATION IN BASIC SPANISH GRAMMAR AND VOCABULARY WITH PRACTICE IN LISTENING, SPEAKING, READING AND WRITING. AN ORIENTATION TO SPANISH-SPEAKING COUNTRIES, THEIR CULTURES AND PRACTICE TIME ARE INTEGRAL PARTS OF THE COURSE. NO PREVIOUS KNOWLEDGE OF SPANISH IS ASSUMED. FULFILLS LANGUAGE REQUIREMENT IN ELECTIVE CORE. 4 CREDITS.

**SPAN 102 BEGINNING SPANISH II** CONTINUES SPAN 101. STUDENTS CONTINUE TO LEARN BASIC VOCABULARY AND GRAMMATICAL STRUCTURES WHILE FURTHER DEVELOPING THE FOUR BASIC SKILLS OF LISTENING, SPEAKING, READING AND WRITING. CULTURE IS PRESENTED THROUGHOUT THE COURSE. PREREQUISITE: SPAN 101 OR 2 YEARS OF PREVIOUS SPANISH COURSES. FULFILLS LANGUAGE REQUIREMENT IN ELECTIVE CORE. 4 CREDITS.

**SPAN 201 INTERMEDIATE SPANISH I** REVIEWS AND BUILDS UPON GRAMMAR, INCREASES VOCABULARY AND INCLUDES READINGS. STUDENTS CONTINUE TO IMPROVE THEIR SKILLS AS THEY GAIN KNOWLEDGE AND A GREATER UNDERSTANDING OF THE SPANISH-SPEAKING WORLD. PREREQUISITE: SPAN 102 OR 3 YEARS OF PREVIOUS SPANISH COURSES. 3 CREDITS.

**SPAN 202 INTERMEDIATE SPANISH II** IS A CONTINUATION OF SPAN 201. PREREQUISITE: SPAN 201 OR 4 YEARS OF PREVIOUS SPANISH COURSES. 3 CREDITS.

**SPAN 301 SPANISH CONVERSATION & COMPOSITION** FOCUSES INTENSIVELY ON ENHANCING CONVERSATIONAL SKILLS BY INCREASING ORAL AND AUDITORY PROFICIENCY AS WELL AS ON IMPROVING THE WRITING SKILLS THROUGH RELATED ACTIVITIES. PREREQUISITE: SPAN 202 OR MORE THAN 4 YEARS OF PREVIOUS SPANISH COURSES. 3 CREDITS.

**SPAN 307 APPLIED LINGUISTICS** INTRODUCES THE BASIC TERMINOLOGY AND CONCEPTS OF LINGUISTICS AS APPLIED TO THE SPANISH LANGUAGE. IT ALSO PRESENTS THE SOUND SYSTEM, MORPHOLOGY AND SYNTAX OF SPANISH AS COMPARED TO ENGLISH AND INVESTIGATES TOPICS IN LANGUAGE ACQUISITION. REQUIRED FOR TEACHING MAJORS/MINORS. PREREQUISITE: SPAN 301 OR CONSENT OF INSTRUCTOR. 3 CREDITS.

**SPAN 331 ADVANCED SPANISH GRAMMAR & COMPOSITION** FOCUSES ON THE REVIEW AND SYNTAX OF THE MORE DIFFICULT GRAMMATICAL STRUCTURES OF THE SPANISH LANGUAGE AND ON WRITING AND CONVERSATIONAL SKILLS AT THE ADVANCED LEVEL. PREREQUISITE: SPAN 301 OR CONSENT OF INSTRUCTOR. 3 CREDITS.

## SPORT & ENTERTAINMENT BUSINESS

**SEM 310 LEGAL AND ETHICAL ISSUES IN SPORT AND ENTERTAINMENT** THIS COURSE CREATES AWARENESS AND UNDERSTANDING OF THE LEGAL ISSUES PREVALENT IN THE SPORT BUSINESS INDUSTRY TODAY FROM A LEGAL AND ETHICAL PERSPECTIVE; LOOKING TO INTEGRATE POSSIBLE SOLUTIONS FROM BOTH A PERSONAL AND PROFESSIONAL PERSPECTIVE OF MORALS AND VALUES. THE COURSE WILL EXAMINE POLICIES AND PROCEDURES OF THE UNITED STATES LEGAL SYSTEM AND THE APPLICATION OF PERTINENT LAWS AND LEGAL CONCEPTS FOR THE BASIS OF SOUND AND ETHICAL DECISION MAKING. 3 CREDITS.

**SEM 320 CONTEMPORARY LEADERSHIP BEHAVIOR.** THIS COURSE WILL EXAMINE THE CONCEPTS OF "EFFECTIVE LEADERSHIP" THROUGH EVALUATION OF THE ROLES AND RESPONSIBILITIES OF LEADERS AS COMMUNICATORS AND AGENTS OF CHANGE. THIS COURSE WILL FOCUS ON VARIOUS ISSUES SUCH AS MORAL AND ETHICAL DIMENSIONS OF LEADERSHIP, INTERRELATIONSHIPS AMONG INDIVIDUALS AND ORGANIZATIONS, PROBLEM FINDING AND PROBLEM SOLVING, AND PARTICIPATORY DECISION MAKING. THIS COURSE IS REQUIRED FOR BOTH SPORT & ENTERTAINMENT MANAGEMENT AND HOSPITALITY & EVENT MANAGEMENT MAJORS. 3 CREDITS.

**SEM 330 INTEGRATED PUBLIC RELATIONS AND SOCIAL MEDIA** THIS COURSE PROVIDES A PRACTICAL AND CONCEPTUAL FOUNDATION FOR STUDENTS INTERESTED IN SPORT, ENTERTAINMENT, HOSPITALITY, AND EVENT MANAGEMENT. STUDENTS WILL EXPLORE THE FORMALIZED WORKING RELATIONSHIPS BETWEEN THE MASS MEDIA AND PROFESSIONAL ORGANIZATIONS. THE COURSE FOCUSES ON THE INTERACTIONS AMONG THE PEOPLE AND ORGANIZATIONS INVOLVED IN THE FLOW OF INFORMATION TO THE PUBLIC, INCLUDING THE CONNECTION BETWEEN THE INFORMATIONAL AND COMMERCIAL SIDES OF COMMUNICATION AND INFORMATION MANAGEMENT. STUDENTS WILL UNDERSTAND THE PROFESSIONAL AND INDUSTRY STANDARDS OF USING SOCIAL MEDIA AS AN EFFECTIVE BUSINESS TOOL FOR PUBLIC RELATIONS, COMMUNITY RELATIONS, MEDIA RELATIONS AND MARKETING EFFORTS. STUDENTS WILL BE CHALLENGED TO DEVELOP EFFECTIVE CONTENT FOR VARIOUS PUBLIC RELATIONS AND SOCIAL MEDIA PLATFORMS; AND WILL UNDERSTAND THE IMPORTANCE OF ANALYTICS, ENGAGEMENT OF END MARKETS AND MEASURABILITY OF PUBLIC RELATIONS AND SOCIAL MEDIA EFFORTS. 3 CREDITS.

**SEM 340 FIELD EXPERIENCE I** THIS IS THE FIRST CREDIT/COURSE OF THREE FIELD EXPERIENCE REQUIREMENTS WITHIN SPORT AND ENTERTAINMENT MANAGEMENT, AS WELL AS, HOSPITALITY AND EVENT ENTERTAINMENT MANAGEMENT. THIS COURSE IS DESIGNED TO ASSIST IN PREPARING STUDENTS IN THE DESIGN, DEVELOPMENT AND UTILIZATION OF RESUMES AND COVER LETTERS WITHIN THE INDUSTRY. 1 CREDIT.

**SEM 341 FIELD EXPERIENCE II** THIS IS THE SECOND CREDIT/COURSE OF THREE FIELD EXPERIENCE REQUIREMENTS WITHIN SPORT AND ENTERTAINMENT MANAGEMENT, AS WELL AS, HOSPITALITY AND EVENT ENTERTAINMENT MANAGEMENT. THIS COURSE IS DESIGNED TO ASSIST STUDENTS IN CAREER EXPLORATION, INTERVIEWING SKILL BUILDING, NETWORKING AND PROFESSIONAL ETIQUETTE. 1 CREDIT.

**SEM 410 INTEGRATED MARKETING AND DESIGN** THIS COURSE INCLUDES AN IN-DEPTH STUDY OF MARKETING AND THE INFLUENCE IT HAS IN ACCOMPLISHING OBJECTIVES IN TODAY'S WORLD OF SPORT, ENTERTAINMENT, HOSPITALITY, AND EVENT MANAGEMENT. IT INVOLVES A THOROUGH REVIEW OF THE PRODUCT, BE IT A GOOD OR A SERVICE, AND DETAILS FOR BRINGING IT TO MARKET. TOPICS INCLUDE FUND RAISING, ADVERTISING, PROMOTIONS, LOCATION, PRICING, SPONSORSHIPS, LICENSING, MARKET SEGMENTATION AND THE ROLE OF RESEARCH. STRONG EMPHASIS WILL BE PLACED ON THE DEVELOPMENT OF EFFECTIVE STRATEGIES AND DESIGN OF COLLATERALS RELATED TO BRAND ACTIVATION AND CONSUMER ENGAGEMENT. 3 CREDITS.

**SEM 420 EVENT PRODUCTION AND MANAGEMENT** THIS COURSE IS DESIGNED TO ACQUIRE AN IN-DEPTH KNOWLEDGE ABOUT THE SPECIALIZED FIELD OF EVENT MANAGEMENT; EMPHASIS WILL BE PLACED ON THE FOLLOWING BROAD BASED SECTORS INCLUDING BUT NOT LIMITED TO SPORT, ENTERTAINMENT, AND HOSPITALITY INDUSTRIES. STUDENTS WILL BE PROVIDED WITH A COMPLETE UNDERSTANDING OF MANAGEMENT TECHNIQUES AND STRATEGIES REQUIRED FOR SUCCESSFUL PLANNING, PROMOTION, IMPLEMENTATION, AND EVALUATIONS. STUDENTS WILL STUDY OBJECTIVES, STRATEGIES, AND TACTICS OF EVENT MANAGEMENT; IDENTIFY COSTS FOR EVENTS AND POTENTIAL REVENUE STREAMS; SELECT HOST CITIES AND VENUES; UNDERSTAND THE EVENT PLANNING PROCESS; AND UNDERSTAND THE ACCOMMODATION AND MANAGEMENT OF GUESTS AT EVENTS. EMPHASIS WILL BE PLACED ON THE SIMULATED PRODUCTION AND MANAGEMENT OF AN ACTUAL EVENT. 3 CREDITS.

**SEM 430 SALES, CORPORATE SPONSORSHIP AND FUNDRAISING STRATEGIES** THIS COURSE DELIVERS CONCEPTS AND THEORIES SPECIFIC TO THE ROLE OF SALES, SPONSORSHIP, AND FUNDRAISING RELATED TO THE MARKETING AND MANAGEMENT OF PROPERTIES AND BRANDS WITHIN THE SPORT, ENTERTAINMENT AND HOSPITALITY AND EVENT MANAGEMENT INDUSTRIES. EMPHASIS WILL BE PLACED ON DEVELOPING SALES STRATEGIES, PRICE, VALUE, INCENTIVE BASED SALES METHODS, DEVELOPING SPONSORSHIP INVENTORY, AND FUNDRAISING (I.E. CAUSE-MARKETING VS. CAPITAL/MAJOR GIFT CAMPAIGNS, ETC.). THIS COURSE IS REQUIRED FOR BOTH SPORT & ENTERTAINMENT MANAGEMENT AND HOSPITALITY & EVENT MANAGEMENT MAJORS. 3 CREDITS.

**SEM 453 SPORT & ENTERTAINMENT MANAGEMENT POLICY** THIS COURSE IS DESIGNED TO LOOK AT THE TOTAL ENVIRONMENT OF THE SPORT AND ENTERTAINMENT BUSINESS SECTOR. CONCEPTS DEVELOPED IN OTHER BUSINESS AND SPORT AND ENTERTAINMENT MANAGEMENT COURSES WILL BE IMPLEMENTED INTO A CULMINATING RESEARCH PROJECT. ACTUAL SPORT MANAGEMENT ISSUES CURRENTLY BEING ADDRESSED AT AN ORGANIZATION OR INSTITUTION WILL BE STUDIED. 3CREDIT HOURS. PREREQUISITE: SENIOR STANDING IN MAJOR 3 CREDITS

## **SPORT MANAGEMENT**

**SMA 290 INTRODUCTION TO SPORT AND ENTERTAINMENT MANAGEMENT (w)** THIS COURSE EXPOSES STUDENTS TO THE EXPANDING ROLES OF SPORT AND ENTERTAINMENT IN SOCIETY. STRONG EMPHASIS IS PLACED ON FRAMING SPORT AND ENTERTAINMENT MANAGEMENT AS A LEADING BUSINESS SECTOR IN TODAY'S MARKETPLACE; THUS THE CONTENT INCLUDES A BROAD-BASED EXAMINATION OF THE FOUNDATIONS OF THEORY, TECHNIQUES, CULTURE AND PRACTICES OF MANAGEMENT AND AS APPLIED TO ALL SEGMENTS OF SPORT AND ENTERTAINMENT BUSINESS WITHIN THE LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL COMMUNITIES. 3 CREDITS.

**SMA 300 SOCIAL ASPECTS IN SPORT AND ENTERTAINMENT (w)** INVESTIGATES SPORT AS A MICROCOSM OF SOCIETY AND EXPLORES HOW THE SPORTS WE PLAY AND OUR ENTERTAINMENT CHOICES ARE INFLUENCED BY CULTURAL TRADITIONS, SOCIAL VALUES AND ECONOMIC FORCES. THE FOCUS OF THIS COURSE WILL BE ON THE EXAMINATION OF SPORT AS A SOCIAL INSTITUTION AND ITS INTEGRATION WITHIN THE GREATER SOCIETAL STRUCTURE. 3 CREDITS.

**SMA 310 LEGAL AND ETHICAL ISSUES IN SPORT AND ENTERTAINMENT** THIS COURSE CREATES AWARENESS AND UNDERSTANDING OF THE LEGAL ISSUES PREVALENT IN THE SPORT BUSINESS INDUSTRY TODAY FROM A LEGAL AND ETHICAL PERSPECTIVE; LOOKING TO INTEGRATE POSSIBLE SOLUTIONS FROM BOTH A PERSONAL AND PROFESSIONAL PERSPECTIVE OF MORALS AND VALUES. THE COURSE WILL EXAMINE POLICIES AND PROCEDURES OF THE UNITED STATES LEGAL SYSTEM AND THE APPLICATION OF PERTINENT LAWS AND LEGAL CONCEPTS FOR THE BASIS OF SOUND AND ETHICAL DECISION MAKING. 3 CREDITS.

**SMA 320 FACILITY DESIGN AND MANAGEMENT IN SPORT AND ENTERTAINMENT** IS AN EXAMINATION OF THE CONCEPTS OF DESIGN AND MANAGEMENT OF SPORTS AND RECREATION FACILITIES. THIS COURSE WILL FOCUS ON VARIOUS ISSUES SUCH AS SITE SELECTION, LAYOUT, PLAN AND DESIGN, MAINTENANCE, STAFFING, FISCAL MANAGEMENT, AND RISK MANAGEMENT. 3 CREDITS.

**SMA 330 SPORT ECONOMICS AND FINANCE** AN IN DEPTH EXAMINATION OF ECONOMIC IMPACT INTERSCHOLASTIC, INTERCOLLEGIATE AND PROFESSIONAL SPORTS PLAY IN SOCIETY. THIS COURSE IS A COMPREHENSIVE INVESTIGATION OF FISCAL POLICY AND PRACTICE WITH FOCUS ON INPUTS AND VALUES FROM THE SPORT AND RECREATION INDUSTRY AND THE IMPACT ON NATIONAL ECONOMY. 3 CREDITS.

**SMA 340 INTERNSHIP** THIS IS THE FIRST CREDIT/COURSE OF THREE FIELD EXPERIENCE REQUIREMENTS WITHIN SPORT AND ENTERTAINMENT MANAGEMENT, AS WELL AS, HOSPITALITY AND EVENT ENTERTAINMENT MANAGEMENT. THIS COURSE IS DESIGNED TO ASSIST IN PREPARING STUDENTS IN THE DESIGN, DEVELOPMENT AND UTILIZATION OF RESUMES AND COVER LETTERS WITHIN THE INDUSTRY. 4 - 6 CREDITS.

**SMA 350 SPORT AND ENTERTAINMENT MARKETING (w)** THIS COURSE IS DESIGNED TO INTRODUCE STUDENTS TO THE APPLICATION OF BASIC PRINCIPLES OF MARKETING TO THE SPORT AND ENTERTAINMENT INDUSTRY. STUDENTS WILL EXPLORE AND ANALYZE THE CENTRAL AND FUNDAMENTAL PRINCIPLES AND IMPLICATIONS RELATED TO THE FOLLOWING AREAS OF SPORT/ENTERTAINMENT MARKETING INCLUDING BUT NOT LIMITED TO MARKET SEGMENTATION, PRICING, BRAND ACTIVATION AND ENGAGEMENT MARKETING BEST PRACTICES, MARKET RESEARCH, AND PERCEPTIONS IN CONSUMER BEHAVIOR. THIS COURSE IS DESIGNED TO PROVIDE STUDENTS WITH A CONTEMPORARY UNDERSTANDING OF MARKETING CONCEPTS AS THEY ARE CURRENTLY BEING APPLIED IN VARIOUS SPORT AND ENTERTAINMENT MANAGEMENT CONTEXTS. 3 CREDITS.

## SOCIOLOGY

**SOC 101 INTRODUCTION TO SOCIOLOGY** THIS COURSE PROVIDES A SYSTEMATIC ANALYSIS OF BASIC SOCIOLOGICAL CONCEPTS: CULTURE, SOCIETY, SOCIALIZATION, SOCIAL PROCESSES, SOCIAL CONTROL, SOCIAL INSTITUTION AND SOCIAL CHANGE. FULFILLS THE SOCIAL SCIENCE REQUIREMENT IN THE ELECTIVE CORE. 3 CREDITS.

**SOC 151 CRIMINOLOGY** THE STUDY OF THE PROCESSES BY WHICH SOCIETY DEFINES CRIME AND DELINQUENCY. FURTHER STUDY OF THE VARIOUS FORMS OF CRIME AND DELINQUENCY WHICH CHARACTERIZE THE SOCIAL ORDER. CROSSLISTED JPP 103. 3 CREDITS.

**SOC 175 AFRICAN AMERICAN REALITY AND CULTURE** EXPLORES RACIAL AND CULTURAL MINORITIES IN THE MODERN WORLD WITH PARTICULAR REFERENCES TO U.S. RACIAL MYTHS, DOCTRINES, AND HISTORICAL MOVEMENTS; CONFLICT AND ACCOMMODATION; WITH PROPOSED SOLUTIONS TO ETHNIC CONFLICT. FULFILLS THE CULTURE REQUIREMENT IN THE NARRATIVE CORE. 3 CREDITS.

**SOC 203 CONTEMPORARY SOCIAL PROBLEMS** SOME MAJOR SOCIAL ISSUES IN CONTEMPORARY AMERICA: CRIME AND DELINQUENCY, ADDICTION, RACIAL AND ETHNIC PROBLEMS, VARIOUS PERSONAL PROBLEMS, AND OTHER SOCIAL DISORGANIZATION PROBLEMS ARE DISCUSSED. 3 CREDITS.

**SOC 255 URBAN SOCIETY** URBAN PLACES ARE CENTRAL TO THE HISTORIC DEFINITION OF CIVILIZATION. THEY ARE COMPLEX SYSTEMS REFLECTING THE BEST AND WORST OF ALL HUMAN ENTERPRISE. THIS COURSE LOOKS AT CITIES FROM MANY DIFFERENT VIEWPOINTS TO CONSTRUCT A MANY-FACETED PICTURE OF THE CITY AS AN ENTITY AND AN IDEA. FULFILLS THE CITIZENSHIP REQUIREMENT IN NARRATIVE CORE. 3 CREDITS.

**SOC 312 MARRIAGE AND FAMILY RELATIONS** CONSIDERS THE MAJOR FACETS OF MARRIAGE AND FAMILY LIFE WITHIN AMERICAN CULTURE. IT EMPHASIZES SUCH ASPECTS OF MARRIAGE AND THE FAMILY AS PERSONALITY DEVELOPMENT, ROLE AND STATUS SETS, COMMUNICATION PATTERNS, ADJUSTMENT AND CONFLICT. CROSSLISTED PSY 312. 3 CREDITS.

**SOC 333 FAMILIES IN SOCIETY** STUDENTS WILL UNDERSTAND FAMILIES WITHIN THE ECOLOGICAL CONTEXTS IN WHICH THEY EXIST; CONNECT THEIR OWN EXPERIENCES TO FORM NEW PERSPECTIVES; AND BROADEN THEIR UNDERSTANDING OF THE ROLE OF FAMILY WITHIN SOCIETY. 3 CREDITS.

**SOC 343 WOMEN'S HEALTH** REFLECTS BOTH HER INDIVIDUAL BIOLOGY AND HER SOCIOCULTURAL, ECONOMIC, AND PHYSICAL ENVIRONMENTS. A DISCUSSION OF WOMEN'S ISSUES THROUGHOUT THE HISTORY OF WHERE WOMEN WERE, WHAT THEY'VE ACCOMPLISHED, AND WHAT YET NEEDS TO BE DONE IN ORDER FOR WOMEN TO REALIZE THEIR POTENTIAL. TOPICS INCLUDE REPRODUCTIVE RIGHTS, PROFESSIONAL OPPORTUNITIES, WORK AND FAMILY, RACE, AND CRIME AND VIOLENCE AGAINST WOMEN. 3 CREDITS.

**SOC 345 ADULTHOOD & AGING** THIS COURSE FOCUSES UPON MULTIPLE DISCIPLINES IN ORDER TO BETTER UNDERSTAND ADULTHOOD AND AGING IN OUR SOCIETY. CROSSLISTED PSY 345. 3 CREDITS.

## THEATRE

**THTR 120 ORIENTATION TO THEATER** IS AN OVERVIEW OF THEATRE HISTORY, FROM THE ANCIENT CIVILIZATIONS OF EGYPT, GREECE, AND ROME TO THE 21ST CENTURY. STUDENTS WILL GAIN KNOWLEDGE OF THE IMPACT OF THEATRE ON A VARIETY OF CIVILIZATIONS, LEARN THE PRODUCTION PROCESS AND HOW IT HAS EVOLVED THROUGH THE GENERATIONS, AND DEVELOP AN APPRECIATION FOR THEATRE WHILE EXAMINING GENRE, STYLE, STRUCTURE, PURPOSE, AND CULTURAL CONTEXT. 3 CREDITS.

**THTR 231 STAGECRAFT** GIVES THE STUDENT HANDS-ON EXPERIENCE IN THE VARIOUS AREAS OF STAGECRAFT INCLUDING SUCH TOPICS AS SET DESIGN, CONSTRUCTION, PAINTING, AND DECORATING; STAGE LIGHTING; AND THE MAKING AND FINDING OF STAGE PROPERTIES. 3 CREDITS.

**THTR 254 PRODUCING CHILDREN 'S THEATER** EXAMINES THE HISTORY OF CHILDREN'S THEATRE WITH A SPECIAL EMPHASIS ON THE STRUCTURE, STYLE, ORGANIZATION, AND CREATIVE DEVELOPMENT OF THE PRODUCTION PROCESS FOR CREATING QUALITY THEATRE FOR CHILDREN. STUDENTS WILL HAVE THE OPPORTUNITY TO ADAPT SOURCE MATERIAL TO CREATE SHORT SKITS TO BE PERFORMED FOR A CHILDREN'S AUDIENCE, INCLUDING BIBLICAL ADAPTATIONS USED FOR DRAMA MINISTRY OUTREACHES. 3 CREDITS.

**THTR 261 ACTING I** EXPLORES THE HISTORY AND THEORIES OF ACTING; AND THE TECHNIQUES OF VOICE, MOVEMENT, IMPROVISATION, AND CHARACTER DEVELOPMENT FOR THE STAGE. 3 CREDITS.

**THTR 269 MUSICAL THEATRE AND DANCE** TEACHES STUDENTS HOW TO ENHANCE THEIR ACTING ABILITY WHILE PERFORMING ON THE MUSICAL STAGE. SONG SELECTION, VOCAL TRAINING, AUDITION PREPARATION, AND CHOREOGRAPHY ARE EXPLORED TO STRENGTHEN THEIR PERFORMANCE SKILLS. 3 CREDITS.

**THTR 363 ACTING II INTERMEDIATE ACTING** BUILDS ON THE FOUNDATION DEVELOPED DURING THTR 261 AND FURTHER EXPANDS STAGE ACTING SKILLS AND TECHNIQUES THROUGH SCENE WORK AND IMPROVISATIONAL EXERCISES. PREREQUISITE: THTR 261. 3 CREDITS.

**THTR 371 STAGE DIRECTING** EXPLORES THE CREATIVE PROCESS BY WHICH A DIRECTOR TRANSFORMS A LITERARY SCRIPT INTO A LIVE PERFORMANCE FOR THE STAGE. THE COURSE COVERS SUCH TOPICS AS SELECTING AND PREPARING THE SCRIPT, PLANNING REHEARSALS, DEVELOPING STAGE PICTURES, CREATING TENSION, BLOCKING, AND TYPES OF REHEARSALS. PREREQUISITE: THTR 261, OR PERMISSION OF THE INSTRUCTOR. 3 CREDITS.

**THTR 460 ACTORS' WORKSHOP** PROVIDES STUDENT ACTORS WITH OPPORTUNITIES TO EXPAND THEIR TALENTS IN A REHEARSAL ENVIRONMENT AND TO DISPLAY THEM IN PERFORMANCE SITUATIONS. STUDENTS WILL REHEARSE AND PUBLICLY PERFORM SCENES FROM PLAYS. PREREQUISITE: AUDITION OR PERMISSION OF THE INSTRUCTOR. 3 CREDITS.

## TRAVEL STUDY

**TS 100 DIRECTED TRAVEL STUDY** GUIDES STUDENTS AS THEY EXPERIENCE CULTURES OTHER THAN THEIR OWN THROUGH DIRECTED TRAVEL STUDY. STUDENTS VISIT HISTORIC AND CULTURAL SITES DISTINCTLY DIFFERENT FROM THOSE OF POPULAR AMERICAN CULTURE AND TAKE PART IN EVENTS UNIQUE TO THE LOCATIONS OF CHOICE. FULFILLS THE CULTURE REQUIREMENT IN THE NARRATIVE CORE.

## WORSHIP ARTS LEADERSHIP

**WAL 235 WORSHIP ARTS ENSEMBLE** PRAISE TEAM ENSEMBLE PROVIDES OPPORTUNITY FOR PARTICIPATION AND LEADERSHIP GROWTH IN THE WORSHIP, MUSIC, ORGANIZATION, AND TECHNOLOGY COMPONENTS OF WORSHIP ARTS.

**WAL 245 INTRODUCTION TO WORSHIP ARTS LEADERSHIP** OVERVIEW OF CONTEMPORARY WORSHIP ARTS LEADERSHIP COMPONENTS. STUDY RELATIONSHIPS BETWEEN CURRENT WORSHIP FORMS, SCRIPTURE, CULTURE, TECHNOLOGY, DRAMA, VISUAL ARTS, THEORY OF SERVICE PLANNING AND WORSHIP MUSIC.

**WAL 435 APPLYING WORSHIP ARTS LEADERSHIP** WORSHIP ARTS LEADERSHIP APPLIED IN CLASSROOM, FIELD RESEARCH, AND CONGREGATIONAL SETTINGS. STUDENTS WILL DESIGN THEORETICAL AND PRACTICAL PROPOSALS TO ENHANCE WORSHIP EXCELLENCE. 3 CREDITS.

**WAL 440 LUTHERAN WORSHIP: THEOLOGY AND PRACTICE** INTRODUCES THE TERMS, HISTORY AND THEOLOGY OF WORSHIP IN THE LUTHERAN CHURCH. THE STUDENT IS EXPOSED TO A VARIETY OF ART FORMS AND WAYS IN WHICH THEY CAN BE INCORPORATED INTO THE WORSHIP EXPERIENCE. ALONG WITH LEARNING THE PRINCIPLES INVOLVED IN DEVELOPING AND LEADING A WORSHIP SERVICE, THE STUDENT PRACTICES THESE SKILLS IN CLASS. THIS COURSE IS CROSS-LISTED AS WAL 440. PREREQUISITES: BIBLE CONTENT (REL 100 [OR 201 & 203]); CHRISTIAN DOCTRINE (REL 110 [OR 204]). CROSS LIST REL 440. 3 CREDITS.

**WAL 450 WORSHIP ARTS PRACTICUM** THE CULMINATING FIELD EXPERIENCE WHERE STUDENTS APPLY WORSHIP ARTS LEADERSHIP SKILLS IN A CONGREGATIONAL SETTING. THIS INVOLVES ALL ASPECTS OF WORSHIP, FROM PLANNING TO IMPLEMENTATION.

